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ABSTRACT

Data in the tables of this publication were derived from the Survey of Federal Funds for Research and Development. They reflect research and development funding (R&D) levels as reported by 32 federal agencies from March through October 1994. The agencies reported their data as obligations and outlays incurred, or expected to be incurred, regardless of when the funds were appropriated or whether they were identified specifically for R&D. Data for 1993 are actual, and data for 1994 and 1995 are estimates, since they do not represent completed transactions. Estimated federal funding for R&D is expected to decrease 1%, to $72 billion, in fiscal year 1995. Contributing to this is a 26% drop in R&D plant obligations and a 1% decrease in development funding. However, research funding is expected to increase slightly. Seven of the 32 reporting agencies will account for 95% of total federal funding of R&D and R&D plant. Funding for the Department of Defense will be the largest share, followed by funding for the Department of Health and Human Services. One table in the "Overview" and three charts provide background information. Detailed statistical tables (n=109) are in Section C, and an appendix contains 2 more tables of agencies included in the survey since its inception. (SLD)

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Federal Funds for Research and Development

Fiscal Years 1993, 1994, and 1995

Volume 43

Detailed Statistical Tables

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Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation

NSF 95-334

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Detailed Statistical Tables

Ronald L. Meeks, Project Officer

Division of Science Resources Studies
Directorate for Social, Behavioral and Economic Sciences

National Science Foundation

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CONTENTS

Section *Page*

Overview ix

General Notes xiii

A. Technical Notes 1

B. Federally Funded Research and Development Centers 11

C. Detailed Statistical Tables 17

Appendix A D-1

OVERVIEW

Estimated Federal funding for research and development (R&D) and R&D plant is expected to decrease 1 percent, to $72 billion in fiscal year (FY) 1995. Contributing to this decline is a 26-percent drop in R&D plant obligations (to $2 billion) and a 1-percent decrease in development funding (to $41 billion). Research spending will increase slightly, by one-half of 1 percent (to $28 billion). After being adjusted for inflation, Federal obligations for R&D and R&D plant will decline 4 percent. Since FY 1980, the only other decrease in R&D funding occurred in FY 1991, when funding dropped 3 percent (from $66 billion in FY 1990 to $64 billion in FY 1991).

AGENCY FUNDING SHARES

Seven Federal agencies, out of the 32 that report to the R&D survey, will account for 95 percent ($68 billion) of total Federal funding for R&D and R&D plant in FY 1995 (table A). The Department of Defense (DOD) will comprise the largest share (49 percent), even though its funding is expected to decrease 2 percent from FY 1994 to FY 1995. In FY 1995 the three armed services (Army, Navy, and Air Force) will make up 76 percent of the DOD R&D funding, somewhat less than their combined share for FY 1993 (78 percent). The combined total funding share from the defense agencies is showing slow, steady growth during the same period. This growth reflects the increase in dual-use R&D programs (i.e., those with both defense and nondefense applications), which generally are funded by the defense agencies, notably the Advanced Research Projects Agency.

Funding from the Department of Health and Human Services (HHS) will comprise the second-largest share (16 percent), increasing by 2 percent in FY 1995. Most of the HHS amount is from its National Institutes of Health for the life sciences. Since FY 1992, NIH has accounted for about 94 percent of the HHS total R&D funds.

Table A. Federal obligations for R&D and R&D plant: Fiscal years 1990-95

(Millions of dollars)

Agency	FY 1990 Actual	FY 1991 Actual	FY 1992 Actual	FY 1993 Actual	FY 1994 Estimate	FY 1995 Estimate	Average annual percent change, FY 1990-95	
							based on current dollars	based on 1987 dollars
Total...........	65,831	64,148	68,577	70,415	72,818	71,747	1.7	-1.1
DOD........	37,756	32,561	36,526	36,221	35,904	35,187	-1.4	-4.1
HHS........	8,513	9,842	9,085	10,499	11,410	11,617	6.4	3.5
NASA......	7,060	8,004	8,475	8,769	9,756	9,198	5.4	2.5
DOE........	6,547	7,203	7,493	7,724	7,479	7,313	2.2	-0.6
NSF.........	1,729	1,945	1,970	2,012	2,240	2,388	6.7	3.7
USDA......	1,211	1,381	1,492	1,470	1,543	1,477	4.1	1.2
DOC........	454	505	672	682	1,166	1,316	23.7	20.3
Other.......	2,562	2,707	2,864	3,038	3,321	3,250	4.9	2.0

SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

The other top funding agencies will be the National Aeronautics and Space Administration, NASA (13 percent of the FY 1995 Federal R&D and R&D plant total); the Department of Energy, DOE (10 percent); NSF (3 percent); the Department of Agriculture, USDA (2 percent); and the Department of Commerce, DOC (nearly 2 percent). R&D and R&D plant funding will decline from NASA, DOE, and USDA in FY 1995, whereas that from NSF and DOC will increase. Despite an expected decrease ($49 million) in FY 1995 R&D funding at the National Oceanic and Atmospheric Administration (NOAA), this agency and the National Institute of Standards and Technology (NIST) will comprise nearly all (99 percent) of the DOC R&D funding.

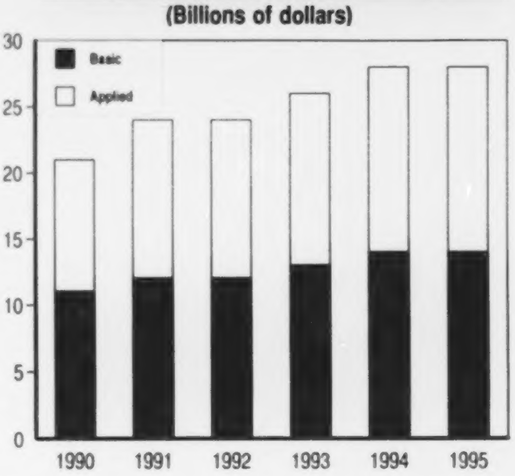
R&D GROWTH IN THE 1990S

Of these seven agencies, DOC will have the largest R&D and R&D plant funding growth rate—24 percent (20 percent in constant 1987 dollars)—from FY 1990 to FY 1995. DOC's growth reflects the rapid increases in NIST funding, which will rise from $131 million in FY 1990 to $794 million in FY 1995. DOC will be followed by NSF with a 7-percent growth rate (4 percent in constant dollars). NSF funding in FY 1995 will be $2.4 billion, representing an increase of about $660 million over its FY 1990 obligations. R&D and R&D plant funding from HHS is expected to average 6 percent growth per year (4 percent in constant dollars) between FY 1990 and FY 1995. DOD's obligations will drop 1 percent annually from FY 1990 to FY 1995. In constant dollars, DOD funding will decrease at an annualized rate of 4 percent over this 5-year period.

RESEARCH FUNDING

Basic research and applied research will each comprise about 20 percent ($14 billion) of the total Federal funding for R&D and R&D plant (chart A). Funding for basic research is projected to increase about $160 million in FY 1995, and that for applied research will decrease slightly, by $30 million. Between FY 1990 and FY 1995, total research funding will have an average annual growth of 5 percent, which in constant dollars will be a 2-percent rate of increase. Applied research will show a 6-percent growth rate (3 percent in constant dollars) between FY 1990 and FY 1995, and basic research will grow about 5 percent per year (2 percent in constant dollars). The two largest sources of basic research funding—NIH and NSF—account for nearly 60 percent of these dollars. Top funders of applied research (NIH, NASA, and DOE) will represent 49 percent of the obligations.

Chart A. Federal obligations for research:
Fiscal years 1990-95

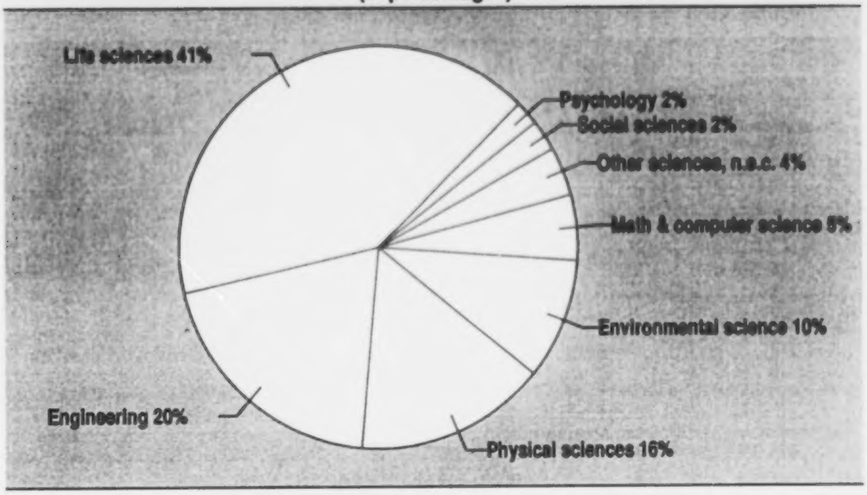


SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Each of the eight fields of science and engineering identified in the survey will show an increase in funding between FY 1990 and FY 1995. Growth in research support will range from 2 percent (-1 percent in constant dollars) for the social sciences to 13 percent (10 percent in constant dollars) for mathematics and computer sciences. In FY 1995, as in the last two decades, the life sciences will continue to have the greatest share of the funding, this time comprising 41 percent of total Federal research dollars (chart B). Other broad science and engineering fields that receive at least 10 percent of the Federal research total are engineering (20 percent of total research), physical sciences (16 percent), and environmental sciences (10 percent).

Chart B. Federal obligations for research, by field of science and engineering: Fiscal year 1995

(In percentages)



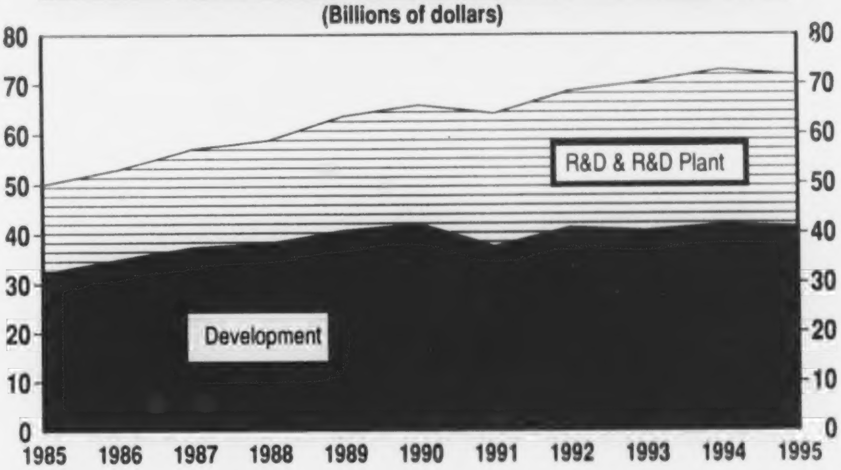
SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

DEVELOPMENT FUNDING

Development will account for an estimated 57 percent of the total Federal R&D and R&D plant funding in FY 1995. Development's share of total was 64 percent in FY 1990 and in FY 1985 (chart C). The declining share of development funding reflects the relative drop in defense R&D funding, which is 90 percent development. Between FY 1990 and FY 1995, the average annual change in development funding is expected to drop by about one-half of 1 percent (3 percent in constant dollars). The major development funding agencies will be the Air Force ($11 billion), Navy ($8 billion), NASA ($5 billion), Army (nearly $5 billion), DOE ($3 billion), and DOD's Ballistic Missile Defense Organization (almost $3 billion).

Chart C. Federal obligations for R&D and R&D plant: Fiscal Years 1985-95

(Billions of dollars)



SOURCE: NSF/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

GENERAL NOTES

Data in the tables of this publication were derived from the Survey of Federal Funds for Research and Development, Volume 43, for fiscal years 1993–95. They reflect research and development (R&D) funding levels as reported by 32 Federal agencies from March through October 1994. All agencies that conduct R&D programs were surveyed.

R&D totals in these tables are given in both outlays and obligations. The R&D obligation data are further categorized according to character of work (basic research, applied research, and development), performer, field of science or engineering (for research but not for development), and Federal R&D funding by State. Obligations for research performance at universities and colleges by field of science or engineering are also shown, as are R&D plant data.

The amounts reported for each year are expressed in obligations or outlays incurred or expected to be incurred in that year, regardless of when the funds may have been authorized, appropriated, or received by an agency and regardless of whether the funds are identified in an agency's budget specifically for research, development, or R&D plant.

Data for 1993 are actual, representing completed transactions. Data for 1994 and 1995 are estimated because they do not represent final actions. The Survey of Federal Funds for Research and Development was conducted during the third quarter of fiscal year 1994. The amounts reported for 1994 reflect congressional appropriation actions as of that period, as well as apportionment and reprogramming decisions as of that time. Data for 1995 represent administration budget proposals that had not been acted on. Authorization, appropriation, deferral, and apportionment actions that were completed after these data were collected will be reflected in later surveys of this series.

Accuracy of the data depends in part on the judgment of the respondent. Since many agency R&D programs are not identified as budget-line items, agency officials must identify R&D and R&D plant activities within broader programs. Over the years personnel of the participating agencies have developed increasing skill and consistency in meeting the survey requirements, and their interaction with the National Science Foundation staff has considerably increased the reliability of the data.

Inquiries relating to *Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995,* Volume 43, should be directed to—

Ronald L. Meeks
Research and Development Statistics Program
Division of Science Resources Studies
National Science Foundation
4201 Wilson Boulevard, Suite 965
Arlington, VA 22230

Voice phone: 703-306-1772, ext. 6937
Fax: 703-306-0508
Internet: rmeeks@nsf.gov

Note

For trend comparison, use only the historical data for fiscal years 1974–95 contained in tables C-89 through C-109a in this Federal Funds, 43 series. These tables incorporate changes in prior-year data made by the agencies to reflect program reclassifications. Do not use data published earlier.

SECTION A.

TECHNICAL NOTES

SCOPE AND METHOD

During the period March through October 1994, a total of 32 Federal agencies and their subdivisions—105 individual respondents—submitted data in response to the National Science Foundation's (NSF's) annual Survey of Federal Funds for Research and Development, Volume 43 (Federal Funds Survey), which was distributed in February 1994. The agencies reported their data as obligations and outlays incurred, or expected to be incurred, regardless of when the funds were appropriated or whether they were identified in the respondents' budgets specifically for research and development (R&D) activities.

Only those agencies that had obligations in the variables represented by a particular table appear in that table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

DEFINITIONS

The definitions are essentially unchanged from those used in past Federal Funds Surveys.

1. An **agency** is an organization of the Federal Government whose principal executive officer reports to the President. The Library of Congress is also included in the survey, even though its chief officer reports to Congress. **Subdivision** refers to any organizational unit of a reporting agency, such as a bureau, division, office, or service.

2. **Obligations** and **outlays** reported are consistent with figures shown for fiscal years 1993, 1994, and 1995 appearing in *The Budget of the United States Government, Fiscal Year 1995.* The R&D data in both agency submissions were based on the same definitions and are reconcilable.

   Obligations represent the amounts for orders placed, contracts awarded, services received, and similar transactions during a given period, regardless of when the funds were appropriated and when future payment of money is required.

   Outlays represent the amounts for checks issued and cash payments made during a given period, regardless of when the funds were appropriated.

   Obligations and outlays cover all transactions that occurred in fiscal year 1993 and those estimated for fiscal years 1994 and 1995.

   The data include all Federal funds available to an agency that the agency received or expects to receive from direct appropriations, trust funds, special account receipts, corporate income, or other sources, including funds appropriated to the President.

   The amounts shown for each year reflect obligations or outlays for that year regardless of when the funds were originally authorized or received and regardless of whether or not they were appropriated, received, or identified in the agency's budget specifically for research, development, or R&D plant.

   In reporting its obligations or outlays, **each agency includes the amounts transferred to other agencies for support of research and development. The receiving agencies do not report funds transferred to them.** Similarly, a subdivision of an agency that transfers funds to another subdivision within that agency reports such obligations or outlays as its own.

   Obligations and outlays for R&D performed for an agency in foreign countries include all funds available to the agency for this purpose, including funds separately appropriated for special foreign currency programs.

   Funds reported for research and development reflect full cost coverage. In addition to costs of specific R&D projects, the applicable overhead costs are also included. The amounts reported include the costs of planning and administering R&D programs, laboratory overhead, pay of military personnel, and departmental administration.

3. The **fiscal year** in the Federal Government accounting period begins October 1 of a given year and ends September 30 of the

following year; thus, fiscal year 1993 began on October 1, 1992, and ended September 30, 1993.

4. **Research, development, and R&D plant** include all direct, incidental, or related costs resulting from, or necessary to, performance of R&D and costs of R&D plant, defined as follows, regardless of whether the R&D is performed by a Federal agency (intramurally) or by private individuals and organizations under grant or contract (extramurally). R&D excludes routine product testing, quality control, mapping and surveys, collection of general purpose statistics, experimental production, and the training of scientific personnel.

    a. **Research** is systematic study directed toward fuller scientific knowledge or understanding of the subject studied. Research is classified as either basic or applied according to the objectives of the sponsoring agency.

    In **basic research** the objective of the sponsoring agency is to gain more complete knowledge or understanding of the fundamental aspects of phenomena and of observable facts, without specific applications toward processes or products in mind.

    In **applied research** the objective of the sponsoring agency is to gain knowledge or understanding necessary for determining the means by which a recognized need may be met.

    b. **Development** is systematic use of the knowledge or understanding gained from research, directed toward the production of useful materials, devices, systems, or methods, including design and development of prototypes and processes. It excludes quality control, routine product testing, and production.

    c. **Demonstration activities** that are part of R&D (i.e., that are intended to prove or to test whether a technology or method does in fact work) are included. Demonstrations intended primarily to make information available about new technologies or methods are excluded.

    d. **R&D plant** (R&D facilities and fixed equipment, such as reactors, wind tunnels, and particle accelerators) includes acquisition of, construction of, major repairs to, or alterations in structures, works, equipment, facilities, or land for use in R&D activities at Federal or non-Federal installations. Excluded from the R&D plant category are expendable or movable equipment (e.g., spectrometers, microscopes) and office furniture and equipment. Also excluded are the costs of predesign studies (e.g., those undertaken before commitment to a specific facility). These excluded costs are reported under "total conduct of research and development." Obligations for foreign R&D plant are limited to Federal funds for facilities that are located abroad and used in support of foreign research and development.

5. **Fields of science and engineering** in this survey consist of eight broad field categories, each consisting of a number of detailed fields. The broad fields are life sciences; psychology; physical sciences; environmental sciences; mathematics and computer sciences; engineering; social sciences; and other sciences, not elsewhere classified. The term "not elsewhere classified" (n.e.c.) is used for multidisciplinary projects within a broad field and for single-discipline projects for which a separate field has not been assigned. The following list presents the detailed fields grouped under each of the broad fields, together with illustrative disciplines of detailed fields.

    The illustrative disciplines are intended to be guidelines, not sharp definitions; they represent examples of disciplines generally classified under each detailed field. A discipline under one detailed field may be classified under another detailed field when the major emphasis is elsewhere. Research in biochemistry, for example, might be reported as biological, agricultural, or medical, depending on the orientation of the project. Human biochemistry would be classified under biological, but animal biochemistry or plant biochemistry would fall under agricultural. In no case is the research reported under more than one field. No double-counting is intended or allowed.

a. **Life sciences** consists of five detailed fields: biological (excluding environmental); environmental biology; agricultural; medical; and life sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

Biological (excluding environmental): anatomy; biochemistry; biology; biometry and biostatistics; biophysics; botany; cell biology; entomology and parasitology; genetics; microbiology; neuroscience (biological); nutrition; physiology; zoology; other biological, n.e.c.

Environmental biology: ecosystem sciences; evolutionary biology; limnology; physiological ecology; population and biotic community ecology; population biology; systematics; other environmental biology, n.e.c.

Agricultural: agronomy; animal sciences; food science and technology; fish and wildlife; forestry; horticulture; phytopathology; phytoproduction; plant sciences; soils and soil science; general agriculture; other agriculture, n.e.c.

Medical: dentistry; internal medicine; neurology; obstetrics and gynecology; ophthalmology; otolaryngology; pathology; pediatrics; pharmacology; pharmacy; preventive medicine; psychiatry; radiology; surgery; veterinary medicine; other medical, n.e.c.

Life sciences, n.e.c.

b. **Psychology** deals with behavior, mental processes, and individual and group characteristics and abilities. Psychology in this survey is divided into three categories: biological aspects; social aspects; and psychological sciences, n.e.c. Examples of the disciplines under each of these fields are as follows:

Biological aspects: animal behavior; clinical psychology; comparative psychology; ethology; experimental psychology

Social aspects: development and personality; educational, personnel, and vocational psychology and testing; industrial and engineering psychology; social psychology

Psychological sciences, n.e.c.

c. **Physical sciences** comprises those sciences concerned with understanding of the material universe and its phenomena. They comprise the fields of astronomy; chemistry; physics; and physical sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Astronomy: laboratory astrophysics; optical astronomy; radio astronomy; theoretical astrophysics; X-ray, gamma-ray, and neutrino astronomy

Chemistry: inorganic; organic; organometallic; physical

Physics: acoustics; atomic and molecular; condensed matter; elementary particle; nuclear structure; optics; plasma

Physical sciences, n.e.c.

d. **Environmental sciences** (terrestrial and extraterrestrial) consists of fields that, with one exception, are concerned with the gross nonbiological properties of the areas of the solar system that directly or indirectly affect human survival and welfare. The one exception is that obligations for studies pertaining to life in the sea or other bodies of water are reported as support of oceanography and not biology. Environmental sciences comprises the fields of atmospheric sciences; geological sciences; oceanography; and environmental sciences, n.e.c. Examples of disciplines under each of these fields are as follows:

Atmospheric sciences: aeronomy; extraterrestrial atmospheres; meteorology; solar; weather modification

Geological sciences: engineering geophysics; general geology; geodesy and gravity; geomagnetism; hydrology; inorganic geochemistry; isotopic geochemistry; laboratory geophysics; organic geochemistry; paleomagnetism; paleontology; physical geography and cartography; seismology; soil sciences

Oceanography: biological oceanography; chemical oceanography; marine geophysics; physical oceanography

Environmental sciences, n.e.c.

e. **Mathematics and computer sciences** consists of sciences that employ logical reasoning with the aid of symbols and are concerned with the development of methods of operation employing such symbols and, in the case of computer sciences, with the application of such methods to automated information systems. Examples of disciplines under these fields are as follows:

Mathematics: algebra; analysis; applied mathematics; foundations and logic; geometry; numerical analysis; statistics; topology

Computer sciences: computer and information sciences (general); design, development, and application of computer capabilities to data storage and manipulation; information sciences and systems; programming languages; systems analysis

Mathematics and computer sciences, n.e.c.

f. **Engineering** is concerned with studies directed toward developing engineering principles or toward making specific principles usable in engineering practice. Engineering in this survey is divided into eight fields: aeronautical; astronautical; chemical; civil; electrical; mechanical; metallurgy and materials; and engineering, n.e.c. Examples of disciplines under each of these fields are as follows:

Aeronautical: aerodynamics

Astronautical: aerospace; space technology

Chemical: petroleum; petroleum refining; process

Civil: architectural; hydraulic; hydrologic; marine; sanitary and environmental; structural; transportation

Electrical: communication; electronic; power

Mechanical: engineering mechanics

Metallurgy and materials: ceramic; mining; textile; welding

Engineering, n.e.c.: agricultural; bioengineering; biomedical; industrial and management; nuclear; ocean; systems

g. **Social sciences** are directed toward an understanding of the behavior of social institutions and groups and of individuals as members of a group. Social sciences include anthropology; economics; political science; sociology; and social sciences, n.e.c. Examples of disciplines under the fields of social science are as follows:

Anthropology: applied anthropology; archaeology; cultural and personality; social and ethnology

Economics: economic systems and development; econometrics and economic statistics; history of economic thought; industrial, labor, and agricultural economics; international economics; macroeconomics; microeconomics; public finance and fiscal policy; theory

Political science: area or regional studies; comparative government; history of political ideas; international relations and law; national political and legal systems; political theory; public administration

Sociology: comparative and historical; complex organizations; culture and social structure; demography; group interactions; social problems and social welfare; sociological theory

Social sciences, n.e.c.: linguistics; research in education; research in history; research in law (e.g., attempts to assess impact on society of legal systems and practices); socioeconomic geography

h. **Other sciences, n.e.c.:** This category is used for multidisciplinary or interdisciplinary projects that cannot be classified within one of the broad fields of science already listed.

6. A **performer** is either an intramural group or organization carrying out an operational function or an extramural organization or person receiving support or providing services under a contract or grant.

a. **Intramural performers** are the agencies of the Federal Government. Their work is carried on directly by agency personnel. Obligations reported under this category are for activities performed or to be performed by the reporting agency itself or represent funds that the agency transfers to another Federal agency for performance of work **as long as the ultimate performer is that agency or any Federal agency.** If the ultimate performer is not a Federal agency, the funds so transferred are reported by the transferring agency under the appropriate extramural performer category (universities and colleges, other nonprofit institutions, or industrial firms).

NOTE: Intramural activities cover not only the actual intramural R&D performance, but also the costs associated with the planning and administration of both intramural and extramural programs by Federal personnel. Intramural activities also include the costs of supplies and equipment, essentially of an "off-the-shelf" nature, that are procured for use in intramural R&D. For example, the purchase from an extramural source of an operational launch vehicle (i.e., one that has gone beyond the development or prototype stage) that is used for intramural performance of R&D is reported as a part of the cost of intramural R&D.

b. **Extramural performers** are organizations outside the Federal sector that perform R&D with Federal funds under contract, grant, or cooperative agreement. Only those costs associated with actual R&D performance are reported, but these costs would include costs of materials and supplies to carry out R&D activities. Note, however, that the costs of off-the-shelf supplies and equipment required to support intramural R&D and procured from extramural suppliers are considered as part of the costs of intramural performance and not as part of the costs of extramural performance.

Extramural performers are identified as follows:

i. **Industrial firms:** Organizations that may legally distribute net earnings to individuals or to other organizations.

ii. **Universities and colleges:** Institutions engaged primarily in providing resident and/or accredited instruction for at least a 2-year program above the secondary school level. Included are colleges of liberal arts; schools of arts and sciences; professional schools, as in engineering and medicine, including affiliated hospitals and associated research institutes; and agricultural experiment stations.

iii. **Other nonprofit institutions:** Private organizations other than educational institutions whose net earnings in no part inure to the benefit of a private stockholder or individual and other private organizations organized for the exclusive purpose of turning over their entire net earnings to such nonprofit organizations.

iv. **Federally funded research and development centers (FFRDCs):** R&D-performing organizations that are exclusively or substantially financed by the Federal Government and are supported by the Federal Government either to meet a particular R&D objective or, in some instances, to provide major facilities at universities for research and associated training purposes. Each center is administered either by an industrial firm, a university, or another nonprofit institution.

In general, all of the following criteria are met by an organization that is included in the FFRDC category:

(1) Its primary activities include one or more of the following: basic research, applied research, development, or management of research and development (specifically excluded are organizations engaged primarily in routine quality control and testing, routine service activities, production, mapping and surveys, and information dissemination);
(2) It is a separate operational unit within the parent organization or is organized as a separately incorporated organization;
(3) It performs actual research and development or R&D management either upon direct request by the Federal Government or under a broad charter from the Federal Government but in either case under the direct monitorship of the Federal Government;
(4) It receives its major financial support (70 percent or more) from the Federal Government, usually from one agency;
(5) It has, or is expected to have, a long-term relationship with its sponsoring agency (about 5 years or more), as evidenced by specific obligations assumed by it and the agency;
(6) Most or all of its facilities are owned by, or are funded under contract with, the Federal Government; and
(7) It has an average annual budget (operating and capital

equipment) of at least $500,000.

v. **State and local governments:** State and local government agencies, excluding State or local universities and colleges, agricultural experiment stations, medical schools, and affiliated hospitals. (Federal R&D funds obligated directly to such State and local institutions excluded in this category are included under the "Universities and colleges" category in this report.) R&D activities under the State and local category are performed either by the State or local agencies themselves or by other organizations under grants or contracts from such agencies. Regardless of the ultimate performer, Federal R&D funds directed to State and local governments are reported under this sector and no other.

vi. **Foreign performers:** Foreign citizens, foreign organizations, or foreign governments, as well as international organizations (such as the North Atlantic Treaty Organization (NATO), United Nations Educational, Scientific, and Cultural Organization (UNESCO), and World Health Organization (WHO)), performing R&D work abroad financed by the Federal Government. Excluded are U.S. agencies, organizations, or citizens performing R&D abroad for the Federal Government; the survey does not seek information on "offshore" payments. An exception is made in the case of U.S. citizens performing R&D abroad under special foreign currency funds; these activities are included under "Foreign performers." Foreign scientists performing in the United States are excluded, however.

vii. **Private individuals:** For cases wherein an R&D grant or contract is awarded directly to a private individual, obligations incurred are placed under "Industrial firms."

7. **Federal obligations for research performed at universities and colleges, by detailed field of science:** Only six agencies participate in the portion of the survey covering the funding of research at universities and colleges by detailed field of science. These six agencies represent approximately 97 percent of the Federal research obligations to universities and colleges. The six agencies are the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration (NASA); and the National Science Foundation (NSF).

8. **Geographic distribution of 1993 R&D obligations**

   a. Only the 10 largest R&D funding agencies participate in the portion of the survey covering the geographic distribution of obligations for research and development and R&D plant. These 10 agencies accounted for approximately 98 percent of total Federal R&D and R&D plant obligations in 1993. The respondents are the Departments of Agriculture, Commerce, Energy, Defense, Health and Human Services, the Interior, and Transportation; the Environmental Protection Agency; NASA; and NSF.

   b. Actual fiscal year 1993 data were requested in terms of the principal location (State or outlying area) where the work was performed by the primary contractor, grantee, or intramural organization. When this information was not available in their records, the respondents were asked to assign the obligations to the State, outlying area, or office abroad where the headquarters of the U.S. primary contractor, grantee, or intramural organization was located.

c. Obligations were reported for R&D as a combined amount.

d. Specifically omitted from the geographic portion of the survey were R&D obligations to foreign performers and obligations for R&D plant used in support of foreign performers. Foreign performer data, by country, are reported in a separate section of the Federal Funds Survey.

CHANGES IN REPORTING

While completing the survey forms each year, agency respondents make revisions to their estimates for the latest 2 years of the previous report, in this case fiscal years 1993 and 1994. Such revision is part of the budgetary cycle. From time to time survey submissions also reflect reappraisals and revisions in classification of various aspects of agencies' R&D programs. When such revisions occur, NSF requires the agencies to provide revised prior-year data to maintain consistency and comparability with the most recent concepts.

LIMITATIONS OF THE DATA

Funds for research and development were reported on a 3-year basis comparable with the 1995 budget, upon which the data were based. The amounts reported for each year, as already stated, are the obligations or outlays incurred in that year, regardless of when funds were authorized or received by an agency and regardless of whether the funds were identified in the agency's budget specifically for research, development, R&D plant, or some combination of the three.

The respondents reconciled the data reported to the Federal Funds Survey with the amounts for R&D they reported to the Office of Management and Budget for the 1995 budget.

Some agencies are not able to report the full costs of research and development. For example, the headquarters costs of planning and administering R&D programs of the Department of Defense (DoD) (estimated at a fraction of 1 percent of the agency's R&D total) are excluded, because this agency has stated that identification of the amounts is impracticable.

R&D plant data are also underreported to some extent because of the difficulty encountered by some agencies, particularly DoD and NASA, in identifying and reporting these data. DoD's respondents report obligations for the R&D plant funded under the agency's construction appropriation, but they are able to identify only a small portion of the R&D plant support that is within R&D contracts funded from DoD's appropriation for research, development, testing, and evaluation. Similarly, NASA respondents cannot separately identify the portions of industrial R&D contracts that apply to R&D plant; R&D plant data are subsumed in the R&D data covering industrial performance. NASA R&D plant data for other performing sectors are reported separately.

SECTION B.

FEDERALLY FUNDED RESEARCH AND DEVELOPMENT CENTERS, BY AGENCY AND TYPE OF ADMINISTRATION

The following is the master list of federally funded research and development centers (FFRDCs) included in the Federal Funds Survey for fiscal years 1993–95. The list is arranged by sponsoring agency and administering organization. Respondents reported under the FFRDC category those funds obligated to centers identified on this list.

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
DEPARTMENT OF DEFENSE: Office of the Secretary of Defense		Institute for Defense Analyses (IDA), Alexandria, VA Logistics Management Institute (LMI), Bethesda, MD National Defense Research Institute (RAND Corp.[3]), Santa Monica, CA C3I Federal Contract Research Center (MITRE Corp.[4]), Bedford, MA, and McLean, VA	
Advanced Research Projects Agency	Software Engineering Institute (Carnegie Mellon University), Pittsburgh, PA		
Department of the Navy		Center for Naval Analyses, Alexandria, VA	
Department of the Air Force	Lincoln Laboratory (Massachusetts Institute of Technology), Lexington, MA	Aerospace Corp., El Segundo, CA Project Air Force (RAND Corp.[3]), Santa Monica, CA	
Department of the Army	Institute for Advanced Technology (University of Texas[5]), Austin, TX	Arroyo Center (RAND Corp.[3]), Santa Monica, CA	
DEPARTMENT OF ENERGY	Ames Laboratory (Iowa State University of Science and Technology), Ames, IA Argonne National Laboratory (University of Chicago), Argonne, IL Brookhaven National Laboratory (Associated Universities, Inc.), Upton, Long Island, NY Continuous Electron Beam Accelerator Facility (Southeastern Universities Research Association), Newport News, VA Fermi National Accelerator Laboratory (Universities Research Association, Inc.), Batavia, IL	Inhalation Toxicology Research Institute (Lovelace Biomedical and Environmental Research Institute), Albuquerque, NM National Renewable Energy Research Laboratory (Midwest Research Institute[6]), Golden, CO Pacific Northwest Laboratories (Battelle Memorial Institute), Richland, WA	Energy Technology Engineering Center (Rockwell International Corporation), Canoga Park, CA Idaho National Engineering Laboratory (EG&G Idaho, Inc.; Argonne National Laboratory, West; Westinghouse Electric Corp.), Idaho Falls, ID Oak Ridge National Laboratory (Martin Marietta Energy Systems, Inc.), Oak Ridge, TN Sandia National Laboratory (Martin Marietta, Inc.), Albuquerque, NM Savannah River Laboratory (Westinghouse Electric Corp.), Aiken, SC

See explanatory information, if any, and SOURCE at end of table.

Federally funded research and development centers, by agency and type of administration—Continued

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
DEPARTMENT OF ENERGY, continued	Lawrence Berkeley Laboratory (University of California), Berkeley, CA Lawrence Livermore National Laboratory (University of California), Livermore, CA Los Alamos National Scientific Laboratory (University of California), Los Alamos, NM Oak Ridge Institute for Science and Education (Oak Ridge Associated Universities, Inc.), Oak Ridge, TN Princeton Plasma Physics Laboratory (Princeton University), Princeton, NJ Stanford Linear Accelerator Center (Leland Stanford, Jr., University), Stanford, CA		
DEPARTMENT OF HEALTH AND HUMAN SERVICES:			
National Institutes of Health			NCI Frederick Cancer Research and Development Center (Program Resources, Inc.; Advanced BioScience Laboratories, Inc.; Harlan Sprague Dawley, Inc.; Data Management Services, Inc.), Frederick, MD
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	Jet Propulsion Laboratory (California Institute of Technology), Pasadena, CA		
NATIONAL SCIENCE FOUNDATION	National Astronomy and Ionosphere Center (Cornell University), Arecibo, PR National Center for Atmospheric Research (University Corp. for Atmospheric Research), Boulder, CO National Optical Astronomy Observatories (Association of Universities for Research in Astronomy, Inc.[7]), Tucson, AZ National Radio Astronomy Observatory (Associated Universities, Inc.), Green Bank, WV	Critical Technologies Institute (RAND Corp.[3]), Washington, DC	

See explanatory information, if any, and SOURCE at end of table.

Federally funded research and development centers, by agency and type of administration—Continued

Sponsoring agency	Administered by universities and colleges[1]	Administered by other nonprofit institutions[2]	Administered by industrial firms
NUCLEAR REGULATORY COMMISSION		Center for Nuclear Waste Regulatory Analyses (Southwest Research Institute), San Antonio, TX	
DEPARTMENT OF TRANSPORTATION:			
Federal Aviation Administration		Center for Advanced Aviation System Development (MITRE Corp.[4]), McLean, VA	
DEPARTMENT OF THE TREASURY:			
Internal Revenue Service		Tax Systems Modernization Institute (IIT Research Institute), Lanham, MD	

[1] Includes university consortia

[2] That is, other than universities and colleges

[3] The following portions of the RAND Corp. are FFRDCs: Project Air Force, National Defense Research Institute (formerly Defense/Office of the Joint Chiefs of Staff), the Arroyo Center, and the Critical Technologies Institute. All other agency support to RAND is reported under "other nonprofit institutions excluding FFRDCs."

[4] Only the C3I Federal Contract Research Center and the Center for Advanced Aviation System Development parts of the MITRE Corp. are FFRDCs. All other agency support to MITRE is reported under "other nonprofit institutions excluding FFRDCs."

[5] The Department of the Army decertified the Institute for Advanced Technology (University of Texas), Austin, TX, as an FFRDC in November 1993.

[6] In September 1991 the name was changed from Solar Energy Research Institute.

[7] Since February 1984 this center has included three former FFRDCs: Cerro Tololo Inter-American Observatory, Kitt Peak National Observatory, and the National Solar Observatory (formerly Sacramento Peak Observatory).

NOTE: The Department of Energy decertified Bettis Atomic Power Laboratory, Hanford Engineering Development Laboratory, and Knolls Atomic Power Laboratory as FFRDCs in October/November 1992.

SOURCE: National Science Foundation/SRS

SECTION C.

DETAILED STATISTICAL TABLES

LIST OF TABLES

Table *Page*

Research, Development, and R&D Plant

C-1 Summary of Federal funds for research and development and for R&D plant: fiscal years 1993, 1994, and 1995 .... C-1

C-2 Federal funds for research and development and for R&D plant, by agency: fiscal years 1993, 1994, and 1995 .... C-3

Research and Development—Agency, Character of Work, and Performer

C-3 Federal funds for total research and development, by agency: fiscal years 1993, 1994, and 1995 .... C-6

C-4 Federal obligations for total research and development, by agency and character of work: fiscal year 1993 .... C-9

C-5 Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1994 .... C-12

C-6 Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1995 .... C-15

C-7 Federal obligations for total research and development, by agency and performer: fiscal year 1993 .... C-18

C-8 Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1994 .... C-21

C-9 Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995 .... C-24

C-10 Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1993 .... C-27

C-11 Estimated Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1994 .... C-28

C-12 Estimated Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1995 .... C-29

C-13 Federal obligations for research and development to federally funded research and development centers, by individual FFRDC and agency: fiscal year 1993 .... C-30

Table *Page*

Research and Development—Agency, Character of Work, and Performer—continued

C-14 Federal obligations for R&D plant to federally funded research and development centers, by individual FFRDC and agency: fiscal year 1993 .... C-31

Total Research—Agency, Performer, and Field of Science and Engineering

C-15 Federal obligations for research, by agency and performer: fiscal year 1993 .... C-32

C-16 Estimated Federal obligations for research, by agency and performer: fiscal year 1994 .... C-35

C-17 Estimated Federal obligations for research, by agency and performer: fiscal year 1995 .... C-38

C-18 Federal obligations for research, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995 .... C-41

C-19 Federal obligations for research, by agency and field of science and engineering: fiscal year 1993 .... C-42

C-20 Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1994 .... C-45

C-21 Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1995 .... C-48

C-22 Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1993 .... C-51

C-23 Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993 .... C-53

C-24 Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1993 .... C-54

C-25 Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993 .... C-56

Basic Research—Agency, Performer, and Field of Science and Engineering

C-26 Federal obligations for basic research, by agency and performer: fiscal year 1993 .... C-58

C-27 Estimated Federal obligations for basic research, by agency and performer: fiscal year 1994 .... C-60

Table *Page*

C-28 Estimated Federal obligations for basic research, by agency and performer: fiscal year 1995 .... C-62

C-29 Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995 .... C-64

C-30 Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1993 .... C-65

C-31 Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1994 .... C-67

C-32 Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1995 .... C-69

C-33 Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 1993 .... C-71

C-34 Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993 .... C-72

C-35 Federal obligations for basic research in engineering, by agency and detailed field of engineering: fiscal year 1993 .... C-73

C-36 Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993 .... C-74

Applied Research—Agency, Performer, and Field of Science and Engineering

C-37 Federal obligations for applied research, by agency and performer: fiscal year 1993 .... C-75

C-38 Estimated Federal obligations for applied research, by agency and performer: fiscal year 1994 .... C-78

C-39 Estimated Federal obligations for applied research, by agency and performer: fiscal year 1995 .... C-81

C-40 Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995 .... C-84

C-41 Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1993 .... C-85

C-42 Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1994 .... C-88

Table *Page*

Applied Research—Agency, Performer, and Field of Science and Engineering—continued

C-43 Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995 .... C-91

C-44 Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1993 .... C-94

C-45 Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993 .... C-96

C-46 Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1993 .... C-97

C-47 Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993 .... C-99

Development—Agency and Performer

C-48 Federal obligations for development, by agency and performer: fiscal year 1993 .... C-101

C-49 Estimated Federal obligations for development, by agency and performer: fiscal year 1994 .... C-103

C-50 Estimated Federal obligations for development, by agency and performer: fiscal year 1995 .... C-105

R&D Plant—Agency and Performer

C-51 Federal funds for R&D plant, by agency: fiscal years 1993, 1994, and 1995 .... C-107

C-52 Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1993 .... C-108

C-53 Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1994 .... C-109

C-54 Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1995 .... C-110

Total Research Performed at Universities and Colleges—Agency and Field of Science and Engineering

C-55 Federal obligations for research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995 .... C-111

Table *Page*

C-56 Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1993 .... C-112

C-57 Estimated Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994 .... C-113

C-58 Estimated Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995 .... C-114

C-59 Federal obligations for research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1993 .... C-115

C-60 Federal obligations for research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993 .... C-116

C-61 Federal obligations for research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1993 .... C-117

C-62 Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993 .... C-118

Basic Research Performed at Universities and Colleges—Agency and Field of Science and Engineering

C-63 Federal obligations for basic research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995 .... C-119

C-64 Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1993 .... C-120

C-65 Estimated Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994 .... C-121

C-66 Estimated Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995 .... C-122

C-67 Federal obligations for basic research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1993 .... C-123

Table *Page*

Basic Research Performed at Universities and Colleges—Agency and Field of Science and Engineering—continued

C-68 Federal obligations for basic research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993 .... C-124

C-69 Federal obligations for basic research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1993 .... C-125

C-70 Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993 .... C-126

Applied Research Performed at Universities and Colleges—Agency and Field of Science and Engineering

C-71 Federal obligations for applied research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995 .... C-127

C-72 Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1993 .... C-128

C-73 Estimated Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994 .... C-129

C-74 Estimated Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995 .... C-130

C-75 Federal obligations for applied research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1993 .... C-131

C-76 Federal obligations for applied research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993 .... C-132

C-77 Federal obligations for applied research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1993 .... C-133

C-78 Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993 .... C-134

Table *Page*

Geographic Distribution—Research and Development and R&D Plant

C-79 Federal obligations for research and development and for R&D plant, by State: fiscal year 1993 .... C-135

C-80 Federal obligations for research and development, by State and performer: fiscal year 1993 .... C-136

C-80a Percentage distribution of Federal obligations for research and development to each performer, by State: fiscal year 1993 .... C-137

C-80b Percentage distribution of Federal obligations for research and development to each State, by performer: fiscal year 1993 .... C-138

C-81 Federal obligations for research and development, by State and agency: fiscal year 1993 .... C-139

C-81a Percentage distribution of Federal obligations for research and development of each agency, by State: fiscal year 1993 .... C-140

C-81b Percentage distribution of Federal obligations for research and development of each State, by agency: fiscal year 1993 .... C-141

C-82 Federal obligations for research and development, by State, agency, and performer: fiscal year 1993 .... C-142

C-83 Federal obligations for R&D plant, by State and category of performer supported: fiscal year 1993 .... C-153

C-84 Federal obligations for R&D plant, by State and agency: fiscal year 1993 .... C-154

Federal Intramural Personnel Costs

C-85 Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995 ... C-155

C-86 Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995 .... C-158

C-87 Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995 .... C-160

C-88 Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995 .... C-163

Table *Page*

Historical Data—Outlays

C-89 Federal outlays for research and development and for R&D plant, by agency: fiscal years 1974–84 .... C-166

C-89a Federal outlays for research and development and for R&D plant, by agency: fiscal years 1985–95 .... C-169

C-90 Federal outlays for research and development, by agency: fiscal years 1974–84 .... C-172

C-90a Federal outlays for research and development, by agency: fiscal years 1985–95 .... C-175

C-91 Federal outlays for R&D plant, by agency: fiscal years 1974–84 .... C-178

C-91a Federal outlays for R&D plant, by agency: fiscal years 1985–95 .... C-179

Historical Data—Obligations

C-92 Federal obligations for research and development and for R&D plant, by agency: fiscal years 1974–84 .... C-180

C-92a Federal obligations for research and development and for R&D plant, by agency: fiscal years 1985–95 .... C-185

C-93 Federal obligations for research and development, by agency: fiscal years 1974–84 .... C-189

C-93a Federal obligations for research and development, by agency: fiscal years 1985–95 .... C-193

C-94 Federal obligations for R&D plant, by agency: fiscal years 1974–84 .... C-197

C-94a Federal obligations for R&D plant, by agency: fiscal years 1985–95 .... C-199

C-95 Federal obligations for research, development, and R&D plant: fiscal years 1970–94 .... C-201

C-96 Federal obligations for research, by selected agency: fiscal years 1974–84 .... C-202

C-96a Federal obligations for research, by selected agency: fiscal years 1985–95 .... C-207

C-97 Federal obligations for basic research, by selected agency: fiscal years 1974–84 .... C-211

Table *Page*

C-97a Federal obligations for basic research, by selected agency: fiscal years 1985–95 .... C-214

C-98 Federal obligations for applied research, by selected agency: fiscal years 1974–84 .... C-216

C-98a Federal obligations for applied research, by selected agency: fiscal years 1985–95 .... C-221

C-99 Federal obligations for development, by selected agency: fiscal years 1974–84 .... C-225

C-99a Federal obligations for development, by selected agency: fiscal years 1985–95 .... C-228

C-100 Federal obligations for research and development, by performer: fiscal years 1974–84 .... C-231

C-100a Federal obligations for research and development, by performer: fiscal years 1985–95 .... C-232

C-101 Federal obligations for research, by performer: fiscal years 1974–84 .... C-233

C-101a Federal obligations for research, by performer: fiscal years 1985–95 .... C-234

C-102 Federal obligations for basic research, by performer: fiscal years 1974–84 .... C-235

C-102a Federal obligations for basic research, by performer: fiscal years 1985–95 .... C-236

C-103 Federal obligations for applied research, by performer: fiscal years 1974–84 .... C-237

C-103a Federal obligations for applied research, by performer: fiscal years 1985–95 .... C-238

C-104 Federal obligations for development, by performer: fiscal years 1974–84 .... C-239

C-104a Federal obligations for development, by performer: fiscal years 1985–95 .... C-240

C-105 Federal obligations for total research, by detailed field of science and engineering: fiscal years 1974–84 .... C-241

Table *Page*

Historical Data—Obligations—continued

C-105a Federal obligations for total research, by detailed field of science and engineering: fiscal years 1985–95 .... C-242

C-106 Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1974–84 .... C-243

C-106a Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1985–95 .... C-244

C-107 Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1974–84 .... C-245

C-107a Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1985–95 .... C-246

C-108 Federal obligations for research and development, by State: fiscal years 1974–84 .... C-247

C-108a Federal obligations for research and development, by State: fiscal years 1985–93 .... C-248

C-109 Federal obligations for R&D plant, by State: fiscal years 1974–84 .... C-249

C-109a Federal obligations for R&D plant, by State: fiscal years 1985–93 .... C-250

TABLE NOTES

- Because of rounding, detail may not add to totals.

- Dashes or asterisks appearing in lieu of figures indicate that the amounts are less than 50 thousand dollars or less than 0.5 percent.

- The abbreviation "FFRDCs" appearing in statistical tables refers to federally funded research and development centers.

- In tables showing extramural performers, obligations of the U.S. Department of Agriculture to agricultural experiment stations are included within obligations to universities and colleges.

- Defense agencies within the Department of Defense include the Advanced Research Projects Agency, the Ballistic Missile Defense Organization, the Defense Information Systems Agency, the Defense Logistics Agency, the Defense Mapping Agency, the Defense Nuclear Agency, the Joint Staff, the Special Operations Command, the Uniformed Services University of the Health Sciences, and the Washington Headquarters Service.

Table C-1. Summary of Federal funds for research and development and for R&D plant: fiscal years 1993, 1994, and 1995

[In millions of dollars and percentages]

Page 1 of 2

Item	1993	Estimates			
		1994	Percentage change 1993-94	1995	Percentage change 1994-95
Total outlays for research and development and for R&D plant	$68,385.8	$69,436.5	1.5	$70,491.1	1.5
Research and development	65,241.3	66,404.1	1.8	67,843.1	2.2
R&D plant	3,144.5	3,032.4	-3.6	2,648.0	-12.7
Total obligations for research and development and for R&D plant	70,414.7	72,818.2	3.4	71,746.5	-1.5
Research and development, total	67,314.0	69,593.8	3.4	69,366.2	-.3
By performers:					
Intramural[1]	16,556.2	17,236.8	4.1	16,724.2	-3.0
Industrial firms	30,326.1	31,004.7	2.2	31,243.6	.8
FFRDCs administered by industrial firms	1,451.3	1,306.4	-10.0	1,297.8	-.7
Universities and colleges	11,156.1	11,969.4	7.3	12,096.6	1.1
FFRDCs administered by universities and colleges	3,666.5	3,490.0	-4.8	3,607.9	3.4
Other nonprofit institutions	2,811.9	2,990.9	6.4	2,712.2	-9.3
FFRDCs administered by nonprofit institutions	753.4	781.5	3.7	890.3	13.9
State and local governments	320.3	568.8	77.6	560.6	-1.4
Foreign	272.2	245.3	-9.9	233.1	-4.9
Research, total	26,890.5	28,033.5	4.3	28,161.2	.5
By performers:					
Intramural[1]	7,360.1	7,645.9	3.9	7,600.2	-.6
Industrial firms	4,018.9	4,189.8	4.3	4,129.2	-1.4
FFRDCs administered by industrial firms	795.8	693.7	-12.8	635.2	-8.4
Universities and colleges	9,844.1	10,610.1	7.8	10,839.5	2.2
FFRDCs administered by universities and colleges	2,347.6	2,187.0	-6.8	2,226.6	1.8
Other nonprofit institutions	2,041.3	2,038.8	-.1	2,046.2	.4
FFRDCs administered by nonprofit institutions	173.4	199.6	15.1	219.1	9.8
State and local governments	211.8	376.2	77.6	367.5	-2.3
Foreign	97.4	92.3	-5.2	97.6	5.8
By fields of science:					
Life sciences	10,772.1	11,350.2	5.4	11,609.2	2.3
Psychology	550.7	569.4	3.4	573.7	.8
Physical sciences	4,427.0	4,449.0	.5	4,379.1	-1.6
Environmental sciences	2,608.5	2,831.7	8.6	2,690.3	-5.0
Mathematics and computer sciences	1,225.4	1,410.0	15.1	1,526.0	8.2
Engineering	5,499.4	5,700.6	3.7	5,629.4	-1.2
Social sciences	674.9	708.4	5.0	698.8	-1.4
Other sciences, n.e.c.	1,132.5	1,014.3	-10.4	1,054.5	4.0
Basic research, total	13,399.1	14,043.4	4.8	14,201.0	1.1
By performers:					
Intramural[1]	2,605.1	2,740.8	5.2	2,719.8	-.8
Industrial firms	959.2	1,015.0	5.8	963.9	-5.0
FFRDCs administered by industrial firms	237.3	234.6	-1.1	212.8	-9.3
Universities and colleges	6,798.5	7,323.8	7.7	7,496.7	2.4
FFRDCs administered by universities and colleges	1,437.8	1,411.7	-1.8	1,422.2	.7
Other nonprofit institutions	1,164.9	1,095.4	-6.0	1,129.7	3.1
FFRDCs administered by nonprofit institutions	71.3	77.8	9.2	88.4	13.6
State and local governments	71.7	91.7	27.9	114.2	24.6
Foreign	53.3	52.6	-1.2	53.4	1.5
By fields of science:					
Life sciences	6,288.8	6,673.7	6.1	6,898.5	3.4
Psychology	246.8	256.3	3.9	268.7	4.8
Physical sciences	2,907.1	2,946.9	1.4	2,900.3	-1.6
Environmental sciences	1,533.5	1,574.9	2.7	1,526.0	-3.1
Mathematics and computer sciences	511.3	563.6	10.2	582.9	3.4
Engineering	1,207.4	1,325.1	9.7	1,286.4	-2.9
Social sciences	194.1	192.1	-1.0	206.3	7.4
Other sciences, n.e.c.	510.1	510.7	.1	532.0	4.2

See explanatory information, if any, and SOURCE at end of table.

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Table C-1. Summary of Federal funds for research and development and for R&D plant: fiscal years 1993, 1994, and 1995

[In millions of dollars and percentages]

Page 2 of 2

Item	1993	Estimates			
		1994	Percentage change 1993-94	1995	Percentage change 1994-95
Applied research, total	$13,491.4	$13,990.2	3.7	$13,960.2	-0.2
By performers:					
Intramural[1]	4,755.0	4,905.1	3.2	4,880.5	-.5
Industrial firms	3,059.7	3,174.8	3.8	3,165.3	-.3
FFRDCs administered by industrial firms	558.6	459.2	-17.8	422.4	-8.0
Universities and colleges	3,045.5	3,286.3	7.9	3,342.8	1.7
FFRDCs administered by universities and colleges	909.8	775.3	-14.8	804.4	3.8
Other nonprofit institutions	876.4	943.4	7.6	916.5	-2.9
FFRDCs administered by nonprofit institutions	102.2	121.8	19.2	130.7	7.4
State and local governments	140.1	284.6	103.1	253.3	-11.0
Foreign	44.1	39.7	-10.1	44.2	11.4
By fields of science:					
Life sciences	4,483.3	4,676.4	4.3	4,710.8	.7
Psychology	303.9	313.1	3.0	305.1	-2.6
Physical sciences	1,519.8	1,502.1	-1.2	1,478.8	-1.6
Environmental sciences	1,075.0	1,256.8	16.9	1,164.3	-7.4
Mathematics and computer sciences	714.1	846.4	18.5	943.1	11.4
Engineering	4,292.0	4,375.5	1.9	4,343.1	-.7
Social sciences	480.8	516.3	7.4	492.5	-4.6
Other sciences, n.e.c.	622.4	503.6	-19.1	522.6	3.8
Development, total	40,423.5	41,560.3	2.8	41,205.1	-.9
By performers:					
Intramural[1]	9,196.2	9,590.8	4.3	9,124.0	-4.9
Industrial firms	26,307.2	26,814.9	1.9	27,114.4	1.1
FFRDCs administered by industrial firms	655.5	612.7	-6.5	662.6	8.1
Universities and colleges	1,312.0	1,359.3	3.6	1,257.1	-7.5
FFRDCs administered by universities and colleges	1,318.9	1,302.9	-1.2	1,381.3	6.0
Other nonprofit institutions	770.6	952.1	23.6	666.0	-30.0
FFRDCs administered by nonprofit institutions	580.0	581.9	.3	671.2	15.3
State and local governments	108.5	192.6	77.5	193.1	.3
Foreign	174.8	153.0	-12.5	135.5	-11.4
R&D plant, total	3,100.7	3,224.4	4.0	2,380.3	-26.2
By performers supported:					
Intramural	432.0	709.0	64.1	364.9	-48.5
Industrial firms	1,048.2	1,338.6	27.7	999.7	-25.3
FFRDCs administered by industrial firms	124.4	120.7	-3.0	146.3	21.3
Universities and colleges	361.4	295.1	-18.3	152.0	-48.5
FFRDCs administered by universities and colleges	619.5	656.5	6.0	613.7	-6.5
Other nonprofit institutions	415.6	13.7	-96.7	9.7	-29.0
FFRDCs administered by nonprofit institutions	65.5	72.7	10.9	93.5	28.7
State and local governments	.5	.5	9.0	.5	-3.7
Foreign	33.4	17.6	-47.4	.0	-100.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Because of rounding, detail may not add to totals. Percentages are computed using dollars in thousands.

KEY: FFRDCs = Federally funded research and development centers
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-2. Federal funds for research and development and for R&D plant, by agency: fiscal years 1993, 1994, and 1995

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Obligations			Outlays		
	1993	Estimates		1993	Estimates	
		1994	1995		1994	1995
Total, all agencies	70,414.7	72,818.2	71,746.5	68,385.8	69,436.5	70,491.1
Departments						
Department of Agriculture, total	1,470.2	1,542.7	1,476.9	1,453.4	1,503.3	1,541.6
Agricultural Cooperative Service	2.9	2.4	3.6	2.9	2.4	3.6
Agricultural Marketing Service[1]	4.7	4.9	4.8	4.7	4.4	4.8
Agricultural Research Service	705.5	737.1	747.7	732.6	721.2	752.5
Animal & Plant Health Inspection Service	17.1	20.3	17.3	17.1	20.3	17.3
Cooperative State Research Service	479.2	506.5	407.3	433.2	487.0	474.1
Economic Research Service	58.9	55.2	53.7	61.5	55.0	53.1
Federal Grain Inspection Service	1.8	1.8	1.8	1.8	1.8	1.8
Foreign Agricultural Service[2]	0	1.4	1.4	0	1.4	1.4
Forest Service	186.3	198.0	217.4	185.8	195.4	212.9
Human Nutrition Information Service	8.4	11.7	18.4	7.3	10.8	16.7
National Agricultural Statistics Service	3.9	3.5	3.5	3.9	3.5	3.5
Office of International Cooperation & Development[2]	1.5	0	0	2.6	0	0
Department of Commerce, total	681.7	1,166.0	1,315.7	652.0	872.5	959.3
Bureau of the Census	5.4	5.4	5.6	5.0	5.4	5.6
Economic Development Administration	0	5	5	7	6	6
National Institute of Standards & Technology	219.8	595.0	793.8	189.8	301.4	437.3
National Oceanic & Atmospheric Administration	452.4	560.5	511.3	452.4	560.5	511.3
National Telecommunications & Information Admin	4.2	4.6	4.5	4.2	4.6	4.5
Office of the Secretary	0	0	0			0
Department of Defense, total	36,220.7	35,904.2	35,186.9	34,525.9	34,052.2	34,148.8
Department of the Army	6,227.2	5,794.9	5,338.4	6,125.3	5,669.5	5,336.7
Civil functions (Corps of Engineers)	49.6	51.6	54.5	49.6	51.6	54.5
Military functions	6,177.6	5,743.2	5,283.9	6,075.7	5,617.9	5,282.2
Department of the Navy	9,148.3	9,523.7	9,116.0	9,187.5	8,876.5	9,040.7
Department of the Air Force	12,866.9	12,258.7	12,349.4	12,287.9	11,707.0	11,793.6
Defense agencies, total	7,723.3	8,083.7	8,119.2	6,689.7	7,550.3	7,723.1
Advanced Research Projects Agency	1,726.8	3,170.3	2,652.1	1,726.8	3,170.3	2,652.1
Ballistic Missile Defense Organization	3,696.2	2,576.4	2,956.4	3,475.6	2,489.8	2,838.0
Defense Information Systems Agency	95.2	90.7	80.7	93.3	90.9	82.9
Defense Logistics Agency	20.4	37.2	58.2	15.1	26.9	44.4
Defense Mapping Agency	59.1	67.7	86.6	41.5	54.1	75.9
Defense Nuclear Agency	492.2	271.4	273.1	458.8	397.3	310.1
Joint Staff[3]	29.9	29.3	11.6	13.0	9.7	5.2
Special Operations Command	171.4	245.6	204.9	205.1	199.1	154.1
Uniformed Services University of the Health Sciences	3.5	9	0	2.5	2.5	0
Washington Headquarters Services	1,428.6	1,594.4	1,795.5	658.0	1,109.6	1,560.4
Operational Test & Evaluation, Director	12.3	11.5	12.5	12.3	11.5	12.5
Test & Evaluation, Deputy Under Secretary Defense	242.5	231.8	251.5	223.2	237.3	242.3
Department of Education	179.9	190.4	175.4	186.7	185.7	180.8
Department of Energy	7,723.7	7,479.1	7,313.0	7,668.3	7,253.1	7,517.8

See explanatory information, if any, and SOURCE at end of table.

Table C-2. Federal funds for research and development and for R&D plant, by agency: fiscal years 1993, 1994, and 1995

[Dollars in millions]

Page 2 of 3

Agency and subdivision	Obligations			Outlays		
	1993	Estimates		1993	Estimates	
		1994	1995		1994	1995
Department of Health & Human Services, total	10,498.5	11,409.7	11,617.2	10,475.2	11,359.9	11,635.0
Administration on Aging[4]	20.9	20.3	20.4	20.9	17.1	20.4
Administration for Children & Families[4]	19.9	16.4	15.7	19.3	16.0	15.3
Agency for Health Care Policy & Research[5]	114.8	141.2	108.2	87.6	114.4	123.2
Centers for Disease Control	162.5	202.9	202.9	162.5	202.9	202.9
Food & Drug Administration	174.2	194.9	177.0	174.2	194.9	177.0
Health Care Financing Administration	68.2	86.0	68.6	69.5	69.6	75.1
Health Resources & Services Administration	11.0	10.7	9.9	11.0	10.7	9.9
National Institutes of Health	9,893.3	10,692.0	10,977.5	9,893.3	10,692.0	10,977.5
Office of the Assistant Secretary for Health	1.2	1.1	1.1	15.8	2.5	1.7
Office of the Secretary	8.0	11.7	13.0	5.2	7.3	9.1
Social Security Administration	24.5	32.5	23.0	15.9	32.5	23.0
Department of Housing & Urban Development	23.6	38.6	40.5	28.4	25.3	36.0
Department of the Interior, total	642.2	656.4	656.0	651.8	683.0	685.5
Bureau of Land Management	8.9	.0	.0	8.9	.0	.0
Bureau of Mines	111.9	111.7	99.3	111.8	111.7	103.9
Bureau of Reclamation	10.3	9.7	6.1	9.6	9.0	5.6
Geological Survey	360.4	367.2	366.3	385.2	392.4	391.5
Minerals Management Service	6.9	6.1	6.2	6.1	6.2	6.2
National Biological Survey	.0	142.3	159.0	.0	144.3	159.0
National Park Service	38.1	19.3	19.1	38.1	19.3	19.3
Office of the Secretary	.4	.1	-	.4	.1	-
Office of Surface Mining Reclamation & Enforcement	.5	.0	.0	.4	.0	.0
United States Fish & Wildlife Service	104.8	.0	.0	91.3	.0	.0
Department of Justice, total	48.9	45.6	45.8	46.2	39.4	45.7
Bureau of Prisons[6]	6.1	6.0	5.9	6.1	6.0	5.9
Drug Enforcement Administration	.9	.9	.9	1.1	1.7	1.7
Federal Bureau of Investigation	11.3	11.5	11.1	11.3	11.5	11.1
Immigration & Naturalization Service	.4	.4	.4	.4	.4	.4
Office of Justice Programs	30.2	26.8	27.5	27.2	19.8	26.5
Department of Labor, total	55.0	52.0	65.6	57.8	60.5	63.3
Bureau of Labor Statistics	6.9	7.1	13.1	6.9	7.1	13.1
Employment & Training Administration	35.9	31.9	38.3	39.2	40.6	36.0
Occupational Safety & Health Administration	2.5	3.7	5.4	2.5	3.7	5.4
Office of the Secretary	5.8	5.7	5.7	5.4	5.5	5.6
Pension Benefit Guaranty Corporation	1.3	1.0	.5	1.3	1.0	.5
Pension & Welfare Benefits Administration	2.6	2.6	2.7	2.6	2.6	2.7
Department of State	5.3	.6	.6	5.3	.6	.6
Department of Transportation, total	577.6	799.6	720.8	455.3	608.4	686.5
Coast Guard	33.4	24.3	20.8	32.2	32.7	24.5
Federal Aviation Administration	271.3	326.8	312.3	260.1	316.6	329.6
Federal Highway Administration	175.7	367.6	297.1	87.5	172.5	251.5
Federal Railroad Administration	26.8	27.4	29.6	22.8	33.3	22.4
Federal Transit Administration[7]	31.3	16.9	24.2	16.5	18.2	21.5
Maritime Administration	1.7	1.7	3.6	1.7	1.7	3.3
National Highway Traffic Safety Administration	31.6	25.3	24.5	28.3	26.9	25.8
Office of the Secretary	4.5	4.7	4.7	4.4	2.6	4.0
Research & Special Programs Administration	1.3	4.9	4.0	1.7	3.9	3.8
Department of the Treasury, total	16.8	27.2	28.9	16.6	26.3	29.0
Bureau of Engraving & Printing	3.2	4.3	2.0	3.2	4.3	2.0
Financial Crimes Enforcement Network	1.5	1.9	1.9	1.5	1.8	1.9
Internal Revenue Service	6.5	14.3	17.1	6.5	14.3	17.1
Office of Thrift Supervision[8]	.7	.4	.5	.7	.4	.5
United States Customs Service	4.1	4.6	6.7	4.1	4.6	6.7
United States Mint	.1	1.1	-	-	.3	.2
United States Secret Service[9]	.6	.6	.6	.6	.6	.6
Department of Veterans Affairs	239.5	270.4	219.8	250.8	253.1	226.7

See explanatory information, if any, and SOURCE at end of table.

Table C-2. Federal funds for research and development and for R&D plant, by agency: fiscal years 1993, 1994, and 1995

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Obligations			Outlays		
	1993	Estimates		1993	Estimates	
		1994	1995		1994	1995
Other agencies:						
Advisory Commission on Intergovernmental Relations	2.1	1.2	1.6	2.1	1.2	1.6
Agency for International Development	382.2	315.6	314.0	321.7	365.4	247.2
Appalachian Regional Commission	.9	.9	.9	.9	.9	.9
Consumer Product Safety Commission	1.2	.4	.3	1.2	.5	.3
Environmental Protection Agency	497.8	561.7	615.6	497.7	561.7	615.6
Federal Communications Commission	1.6	1.7	2.2	1.6	1.7	2.2
Federal Trade Commission	.9	.9	.9	.9	.9	.9
General Services Administration	1.0	.3	.0	7.6	4.4	3.1
Library of Congress	10.5	10.6	10.5	10.7	12.1	12.3
National Aeronautics & Space Administration	8,769.2	9,755.5	9,198.2	8,885.4	9,032.3	9,325.0
National Archives & Records Administration	.3	.1	.1	.3	.1	.1
National Science Foundation	2,012.3	2,240.2	2,386.2	1,841.7	2,192.0	2,177.7
Nuclear Regulatory Commission	119.8	114.4	112.3	119.6	115.8	112.9
Smithsonian Institution	107.0	109.0	111.0	97.2	101.2	107.2
Tennessee Valley Authority	109.6	108.3	113.8	109.6	108.3	113.8
United States Arms Control & Disarmament Agency	1.5	1.3	1.1	1.5	1.3	1.1
United States Information Agency	1.1	.7	.2	.2	.6	.2
United States International Trade Commission	12.2	12.7	12.5	12.2	12.7	12.5

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System.

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-3. Federal funds for total research and development, by agency: fiscal years 1993, 1994, and 1995

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Obligations			Outlays		
	1993	Estimates		1993	Estimates	
		1994	1995		1994	1995
Total, all agencies	67,314.0	69,593.8	69,366.2	65,241.3	66,404.1	67,843.1
Departments:						
Department of Agriculture, total	1,327.8	1,387.6	1,396.9	1,303.9	1,346.2	1,389.2
Agricultural Cooperative Service	2.9	2.4	3.6	2.9	2.4	3.6
Agricultural Marketing Service[1]	4.7	4.9	4.8	4.7	4.4	4.8
Agricultural Research Service	627.2	654.9	672.2	643.4	630.3	658.9
Animal & Plant Health Inspection Service	17.1	17.7	17.3	17.1	17.7	17.3
Cooperative State Research Service	418.6	441.1	407.3	379.4	428.2	419.8
Economic Research Service	58.9	55.2	53.7	61.5	55.0	53.1
Federal Grain Inspection Service	1.8	1.8	1.8	1.8	1.8	1.8
Foreign Agricultural Service[2]	.0	1.4	1.4	.0	1.4	1.4
Forest Service	182.7	193.1	212.9	179.3	190.8	208.3
Human Nutrition Information Service	8.4	11.7	18.4	7.3	10.8	16.7
National Agricultural Statistics Service	3.9	3.5	3.5	3.9	3.5	3.5
Office of International Cooperation & Development[2]	1.5	.0	.0	2.6	.0	0
Department of Commerce, total	656.3	982.6	1,212.4	629.6	847.2	933.1
Bureau of the Census	5.4	5.4	5.6	5.0	5.4	5.6
Economic Development Administration	.0	.5	.5	.7	.6	6
National Institute of Standards & Technology	207.2	425.7	693.8	180.1	290.2	414.5
National Oceanic & Atmospheric Administration	439.5	546.5	508.0	439.5	546.5	508.0
National Telecommunications & Information Admin	4.2	4.6	4.5	4.2	4.6	4.5
Office of the Secretary	.0	.0	.0	-	-	0
Department of Defense, total	35,849.1	35,649.5	34,926.8	34,152.7	33,726.3	33,880.1
Department of the Army	6,209.1	5,756.9	5,326.0	6,118.3	5,655.5	5,306.7
Civil functions (Corps of Engineers)	49.6	51.6	54.5	49.6	51.6	54.5
Military functions	6,159.4	5,705.2	5,271.5	6,068.7	5,603.9	5,252.2
Department of the Navy	9,102.9	9,475.5	9,099.9	9,114.0	8,794.7	9,015.5
Department of the Air Force	12,635.3	12,160.6	12,250.6	12,056.9	11,554.7	11,681.7
Defense agencies, total	7,647.0	8,013.4	7,986.4	6,628.0	7,472.6	7,621.5
Advanced Research Projects Agency	1,726.8	3,170.3	2,652.1	1,726.8	3,170.3	2,652.1
Ballistic Missile Defense Organization	3,682.9	2,570.5	2,955.1	3,467.9	2,484.6	2,834.3
Defense Information Systems Agency	95.2	90.7	80.7	93.3	90.9	82.9
Defense Logistics Agency	20.4	37.2	58.2	15.1	26.9	44.4
Defense Mapping Agency	59.1	67.7	86.6	41.5	54.1	75.9
Defense Nuclear Agency	487.8	271.4	273.1	431.8	381.4	302.3
Joint Staff[3]	29.9	29.3	11.6	13.0	9.7	5.2
Special Operations Command	171.4	245.6	204.9	205.1	199.1	154.1
Uniformed Services University of the Health Sciences	3.5	.9	.0	2.5	2.5	.0
Washington Headquarters Services	1,370.0	1,530.1	1,664.0	631.0	1,053.0	1,470.3
Operational Test & Evaluation, Director	12.3	11.5	12.5	12.3	11.5	12.5
Test & Evaluation, Deputy Under Secretary Defense	242.5	231.8	251.5	223.2	237.3	242.3
Department of Education	177.7	188.6	173.6	173.8	182.6	178.9
Department of Energy	6,262.1	6,529.6	6,370.4	6,185.1	6,214.6	6,501.8

See explanatory information, if any, and SOURCE at end of table.

Table C-3. Federal funds for total research and development, by agency: fiscal years 1993, 1994, and 1995

[Dollars in millions]

Agency and subdivision	Obligations			Outlays		
	1993	Estimates		1993	Estimates	
		1994	1995		1994	1995
Department of Health & Human Services, total	10,349.2	11,031.5	11,481.1	10,325.9	10,981.6	11,498.9
Administration on Aging[4]	20.9	20.3	20.4	20.9	17.1	20.4
Administration for Children & Families[4]	19.9	16.4	15.7	19.3	16.0	15.3
Agency for Health Care Policy & Research[5]	114.8	141.2	108.2	87.6	114.4	123.2
Centers for Disease Control	162.5	202.9	202.9	162.5	202.9	202.9
Food & Drug Administration	154.5	168.3	168.6	154.5	168.3	168.6
Health Care Financing Administration	68.2	86.0	68.6	69.5	69.6	75.1
Health Resources & Services Administration	9.6	9.1	8.4	9.6	9.1	8.4
National Institutes of Health	9,765.1	10,341.9	10,851.3	9,765.1	10,341.9	10,851.3
Office of the Assistant Secretary for Health	1.2	1.1	1.1	15.8	2.5	1.7
Office of the Secretary	8.0	11.7	13.0	5.2	7.3	9.1
Social Security Administration	24.5	32.5	23.0	15.9	32.5	23.0
Department of Housing & Urban Development	23.6	38.6	40.5	28.4	25.3	36.0
Department of the Interior, total	619.1	629.1	630.7	631.0	655.2	659.7
Bureau of Land Management	8.9	.0	.0	8.9	.0	.0
Bureau of Mines	111.9	111.7	99.3	111.8	111.7	103.9
Bureau of Reclamation	10.3	9.7	6.1	9.6	9.0	5.6
Geological Survey	356.7	358.4	358.6	381.2	383.0	383.2
Minerals Management Service	5.8	5.0	5.1	5.1	5.1	5.1
National Biological Survey	.0	124.9	142.4	.0	126.9	142.4
National Park Service	38.1	19.3	19.1	38.1	19.3	19.3
Office of the Secretary	.4	.1	-	.4	.1	-
Office of Surface Mining Reclamation & Enforcement	.5	.0	.0	.4	.0	.0
United States Fish & Wildlife Service	86.5	.0	.0	75.5	.0	.0
Department of Justice, total	48.9	45.6	45.8	46.2	39.4	45.7
Bureau of Prisons[6]	6.1	6.0	5.9	6.1	6.0	5.9
Drug Enforcement Administration	.9	.9	.9	1.1	1.7	1.7
Federal Bureau of Investigation	11.3	11.5	11.1	11.3	11.5	11.1
Immigration & Naturalization Service	.4	.4	.4	.4	.4	.4
Office of Justice Programs	30.2	26.8	27.5	27.2	19.8	26.5
Department of Labor, total	55.0	52.0	65.6	57.8	60.5	63.3
Bureau of Labor Statistics	6.9	7.1	13.1	6.9	7.1	13.1
Employment & Training Administration	35.9	31.9	38.3	39.2	40.6	36.0
Occupational Safety & Health Administration	2.5	3.7	5.4	2.5	3.7	5.4
Office of the Secretary	5.8	5.7	5.7	5.4	5.5	5.6
Pension Benefit Guaranty Corporation	1.3	1.0	.5	1.3	1.0	.5
Pension & Welfare Benefits Administration	2.6	2.6	2.7	2.6	2.6	2.7
Department of State	5.3	.6	.6	5.3	.6	.6
Department of Transportation, total	545.3	749.9	692.2	425.2	577.7	653.6
Coast Guard	32.9	23.8	20.3	31.7	32.1	24.0
Federal Aviation Administration	248.9	293.8	288.3	234.5	292.7	304.8
Federal Highway Administration	174.9	353.5	293.4	87.1	169.2	246.0
Federal Railroad Administration	25.2	25.2	29.2	21.6	32.0	21.3
Federal Transit Administration[7]	24.3	16.9	24.2	14.3	16.6	20.6
Maritime Administration	1.7	1.7	3.6	1.7	1.7	3.3
National Highway Traffic Safety Administration	31.6	25.3	24.5	28.3	26.9	25.8
Office of the Secretary	4.5	4.7	4.7	4.4	2.6	4.0
Research & Special Programs Administration	1.3	4.9	4.0	1.7	3.9	3.8
Department of the Treasury, total	16.6	27.0	28.7	16.5	26.2	28.9
Bureau of Engraving & Printing	3.2	4.3	2.0	3.2	4.3	2.0
Financial Crimes Enforcement Network	1.5	1.9	1.9	1.5	1.8	1.9
Internal Revenue Service	6.5	14.3	17.1	6.5	14.3	17.1
Office of Thrift Supervision[8]	.7	.4	.5	.7	.4	.5
United States Customs Service	4.0	4.5	6.6	4.0	4.5	6.6
United States Mint	.1	1.1	-	-	.3	.2
United States Secret Service[9]	.6	.6	.6	.6	.6	.6
Department of Veterans Affairs	236.2	255.9	211.0	246.0	246.6	218.1

See explanatory information, if any, and SOURCE at end of table.

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Table C-3. Federal funds for total research and development, by agency: fiscal years 1993, 1994, and 1995

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Obligations			Outlays		
	1993	Estimates		1993	Estimates	
		1994	1995		1994	1995
Other agencies:						
Advisory Commission on Intergovernmental Relations	2.1	1.2	1.6	2.1	1.2	1.6
Agency for International Development	382.2	315.6	314.0	321.7	365.4	247.2
Appalachian Regional Commission	.9	.9	.9	.9	.9	.9
Consumer Product Safety Commission	1.2	4	.3	1.2	.5	.3
Environmental Protection Agency	495.3	557.0	610.7	495.2	557.0	610.7
Federal Communications Commission	1.6	1.7	2.2	1.6	1.7	2.2
Federal Trade Commission	.9	.9	.9	.9	.9	.9
Library of Congress	10.5	10.6	10.5	10.7	12.1	12.3
National Aeronautics & Space Administration	8,019.9	8,766.0	8,584.9	8,087.0	8,213.0	8,532.8
National Archives & Records Administration	.3	.1	.1	.3	.1	.1
National Science Foundation	1,881.9	2,030.9	2,219.0	1,754.2	1,983.5	2,001.0
Nuclear Regulatory Commission	119.8	114.4	112.3	119.6	115.8	112.9
Smithsonian Institution	102.0	104.0	106.0	96.0	100.0	106.0
Tennessee Valley Authority	108.6	107.3	112.8	108.6	107.3	112.8
United States Arms Control & Disarmament Agency	1.5	1.3	1.1	1.5	1.3	1.1
United States Information Agency	1.1	.7	.2	.2	6	.2
United States International Trade Commission	12.2	12.7	12.5	12.2	12.7	12.5

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[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System.

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-4. Federal obligations for total research and development, by agency and character of work: fiscal year 1993

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Total, all agencies	67,314,025	13,399,121	13,491,376	40,423,528
Departments				
Department of Agriculture, total	1,327,795	615,941	635,784	76,070
Agricultural Cooperative Service	2,902	0	2,902	0
Agricultural Marketing Service[1]	4,718	0	4,118	600
Agricultural Research Service	627,189	341,048	233,293	52,848
Animal & Plant Health Inspection Service	17,122	0	0	17,122
Cooperative State Research Service	418,642	192,451	226,191	0
Economic Research Service	58,925	10,606	48,319	0
Federal Grain Inspection Service	1,773	0	1,773	0
Forest Service	182,700	69,400	107,800	5,500
Human Nutrition Information Service	8,397	0	8,397	0
National Agricultural Statistics Service	3,882	1,277	2,605	0
Office of International Cooperation & Development[2]	1,545	1,159	386	0
Department of Commerce, total	656,276	37,201	544,874	74,201
Bureau of the Census	5,399	355	2,948	2,096
National Institute of Standards & Technology	207,170	36,506	136,368	34,296
National Oceanic & Atmospheric Administration	439,540	340	401,391	37,809
National Telecommunications & Information Admin	4,167	0	4,167	0
Department of Defense, total	35,849,149	1,268,238	3,515,246	31,065,665
Department of the Army	6,209,092	215,739	802,835	5,190,518
Department of the Navy	9,102,889	422,000	574,106	8,106,783
Department of the Air Force	12,635,318	218,737	669,080	11,747,501
Defense agencies, total	7,647,013	411,762	1,469,225	5,766,026
Advanced Research Projects Agency	1,726,773	122,423	819,943	784,407
Ballistic Missile Defense Organization	3,682,863	0	125,753	3,557,110
Defense Information Systems Agency	95,218	0	0	95,218
Defense Logistics Agency	20,377	0	0	20,377
Defense Mapping Agency	59,149	0	0	59,149
Defense Nuclear Agency	487,844	0	424,124	63,720
Joint Staff[3]	29,918	0	0	29,918
Special Operations Command	171,406	0	39,603	131,803
Uniformed Svcs University of the Health Sciences	3,498	3,498	0	0
Washington Headquarters Services	1,369,967	285,841	59,802	1,024,324
Operational Test & Evaluation, Director	12,333	0	0	12,333
Test & Evaluation, Deputy Under Secretary Defense	242,504	0	0	242,504
Department of Education	177,720	5,323	128,272	44,125
Department of Energy	6,262,146	1,754,831	1,685,383	2,821,932
Department of Health & Human Services, total	10,349,177	5,696,697	3,495,916	1,156,564
Administration on Aging[4]	20,890	0	2,676	18,214
Administration for Children & Families[4]	19,908	0	18,548	1,360
Agency for Health Care Policy & Research[5]	114,800	0	105,616	9,184
Centers for Disease Control	162,511	0	162,511	0
Food & Drug Administration	154,500	0	154,500	0
Health Care Financing Administration	68,179	0	68,179	0
Health Resources & Services Administration	9,598	1,107	8,491	0
National Institutes of Health	9,765,069	5,695,590	2,942,913	1,126,566
Office of the Assistant Secretary for Health	1,240	0	0	1,240
Office of the Secretary	8,002	0	8,002	0
Social Security Administration	24,480	0	24,480	0
Department of Housing & Urban Development	23,582	0	8,057	15,525

See explanatory information, if any, and SOURCE at end of table.

Table C-4. Federal obligations for total research and development, by agency and character of work: fiscal year 1993

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Department of the Interior, total	619,069	230,259	349,821	38,989
Bureau of Land Management	8,925	637	7,365	923
Bureau of Mines	111,900	44,598	60,370	6,932
Bureau of Reclamation	10,257	0	7,434	2,823
Geological Survey	356,678	178,016	165,854	12,808
Minerals Management Service	5,776	0	5,776	0
National Park Service	38,145	630	37,515	0
Office of the Secretary	375	0	200	175
Office of Surface Mining Reclamation & Enforcement	497	0	497	0
United States Fish & Wildlife Service	86,516	6,378	64,810	15,328
Department of Justice, total	48,875	5,045	20,537	23,293
Bureau of Prisons[6]	6,100	0	2,500	3,600
Drug Enforcement Administration	862	0	15	847
Federal Bureau of Investigation	11,309	0	0	11,309
Immigration & Naturalization Service	400	0	400	0
Office of Justice Programs	30,204	5,045	17,622	7,537
Department of Labor, total	55,008	5,550	13,407	36,051
Bureau of Labor Statistics	6,900	5,400	1,500	0
Employment & Training Administration	35,927	150	3,309	32,468
Occupational Safety & Health Administration	2,458	0	2,458	0
Office of the Secretary	5,808	0	2,850	2,958
Pension Benefit Guaranty Corporation	1,305	0	680	625
Pension & Welfare Benefits Administration	2,610	0	2,610	0
Department of State	5,285	4,793	492	0
Department of Transportation, total	545,323	1,656	224,405	319,262
Coast Guard	32,931	0	8,233	24,698
Federal Aviation Administration	248,932	0	59,807	189,125
Federal Highway Administration	174,850	1,656	90,052	83,142
Federal Railroad Administration	25,152	0	20,876	4,276
Federal Transit Administration[7]	24,261	0	10,946	13,315
Maritime Administration	1,741	0	1,741	0
National Highway Traffic Safety Administration	31,611	0	31,611	0
Office of the Secretary	4,503	0	645	3,858
Research & Special Programs Administration	1,342	0	494	848
Department of the Treasury, total	16,629	6,497	4,623	5,509
Bureau of Engraving & Printing	3,235	0	3,235	0
Financial Crimes Enforcement Network	1,519	0	0	1,519
Internal Revenue Service	6,497	6,497	0	0
Office of Thrift Supervision[8]	738	0	738	0
United States Customs Service	3,975	0	100	3,875
United States Mint	115	0	0	115
United States Secret Service[9]	550	0	550	0
Department of Veterans Affairs	236,159	13,339	194,079	28,741

See explanatory information, if any, and SOURCE at end of table

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Table C-4. Federal obligations for total research and development, by agency and character of work: fiscal year 1993

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Other agencies				
Advisory Commission on Intergovernmental Relations	2,098	0	2,098	0
Agency for International Development	382,239	8,376	350,846	23,017
Appalachian Regional Commission	900	0	900	0
Consumer Product Safety Commission	1,193	0	795	398
Environmental Protection Agency	495,253	89,149	272,385	133,719
Federal Communications Commission	1,625	0	1,625	0
Federal Trade Commission	877	0	877	0
Library of Congress	10,467	349	1,438	8,680
National Aeronautics & Space Administration	8,019,854	1,800,087	1,748,641	4,471,126
National Archives & Records Administration	320	150	140	30
National Science Foundation	1,881,889	1,743,770	138,119	0
Nuclear Regulatory Commission	119,781	0	119,781	0
Smithsonian Institution	102,000	102,000	0	0
Tennessee Valley Authority	108,566	9,870	18,065	80,631
United States Arms Control & Disarmament Agency	1,493	0	1,493	0
United States Information Agency	1,125	0	1,125	0
United States International Trade Commission	12,152	0	12,152	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System.

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-5. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Total, all agencies	69,593,816	14,043,351	13,990,162	41,560,303
Departments				
Department of Agriculture, total	1,387,571	644,650	662,796	80,125
Agricultural Cooperative Service	2,412	0	2,412	0
Agricultural Marketing Service[1]	4,855	0	4,241	614
Agricultural Research Service	654,901	354,023	244,830	56,048
Animal & Plant Health Inspection Service	17,663	0	0	17,663
Cooperative State Research Service	441,085	205,282	235,803	0
Economic Research Service	55,205	9,937	45,268	0
Federal Grain Inspection Service	1,791	0	1,791	0
Forest Service	193,100	73,200	114,100	5,800
Foreign Agricultural Service[2]	1,410	1,058	352	0
Human Nutrition Information Service	11,653	0	11,653	0
National Agricultural Statistics Service	3,496	1,150	2,346	0
Department of Commerce, total	982,617	40,798	766,834	174,985
Bureau of the Census	5,377	349	2,904	2,124
Economic Development Administration	500	0	500	0
National Institute of Standards & Technology	425,674	39,981	251,100	134,593
National Oceanic & Atmospheric Administration	546,511	468	507,775	38,268
National Telecommunications & Information Admin	4,555	0	4,555	0
Department of Defense, total	35,649,520	1,341,405	3,044,028	31,264,087
Department of the Army	5,756,873	214,802	661,777	4,880,294
Department of the Navy	9,475,456	411,238	441,869	8,622,349
Department of the Air Force	12,160,591	208,397	661,967	11,290,227
Defense agencies, total	8,013,393	506,968	1,278,415	6,228,010
Advanced Research Projects Agency	3,170,296	86,938	876,253	2,207,105
Ballistic Missile Defense Organization	2,570,462	0	71,182	2,499,280
Defense Information Systems Agency	90,659	0	1,662	88,997
Defense Logistics Agency	37,161	0	0	37,161
Defense Mapping Agency	67,654	0	0	67,654
Defense Nuclear Agency	271,391	0	224,219	47,172
Joint Staff[3]	29,280	0	0	29,280
Special Operations Command	245,578	0	62,141	183,437
Uniformed Svcs University of the Health Sciences	856	856	0	0
Washington Headquarters Services	1,530,056	419,174	42,958	1,067,924
Operational Test & Evaluation, Director	11,450	0	0	11,450
Test & Evaluation, Deputy Under Secretary Defense	231,757	0	0	231,757
Department of Education	188,558	7,576	132,874	48,108
Department of Energy	6,529,582	1,692,940	1,700,121	3,136,521
Department of Health & Human Services, total	11,031,491	5,987,043	3,750,666	1,293,782
Administration on Aging[4]	20,309	0	2,474	17,835
Administration for Children & Families[4]	16,414	0	14,777	1,637
Agency for Health Care Policy & Research[5]	141,195	0	129,899	11,296
Centers for Disease Control	202,921	0	202,921	0
Food & Drug Administration	168,300	0	168,300	0
Health Care Financing Administration	85,982	0	85,982	0
Health Resources & Services Administration	9,106	816	8,290	0
National Institutes of Health	10,341,923	5,986,227	3,093,782	1,261,914
Office of the Assistant Secretary for Health	1,100	0	0	1,100
Office of the Secretary	11,741	0	11,741	0
Social Security Administration	32,500	0	32,500	0
Department of Housing & Urban Development	38,553	0	14,051	24,502

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1994

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Department of the Interior, total	629,133	222,418	360,664	46,051
Bureau of Mines	111,652	42,305	62,198	7,149
Bureau of Reclamation	9,714	0	7,249	2,465
Geological Survey	358,410	169,414	177,271	11,725
Minerals Management Service	5,021	0	5,021	0
National Biological Survey	124,936	10,029	90,260	24,647
National Park Service	19,335	670	18,665	0
Office of the Secretary	65	0	0	65
Department of Justice, total	45,638	5,215	17,827	22,596
Bureau of Prisons[6]	6,000	0	2,500	3,500
Drug Enforcement Administration	900	0	72	828
Federal Bureau of Investigation	11,521	0	0	11,521
Immigration & Naturalization Service	400	0	400	0
Office of Justice Programs	26,817	5,215	14,855	6,747
Department of Labor, total	52,014	5,764	15,279	30,971
Bureau of Labor Statistics	7,100	5,600	1,500	0
Employment & Training Administration	31,924	150	3,852	27,922
Occupational Safety & Health Administration	3,687	0	3,687	0
Office of the Secretary	5,657	0	3,093	2,564
Pension Benefit Guaranty Corporation	1,016	14	517	485
Pension & Welfare Benefits Administration	2,630	0	2,630	0
Department of State	576	88	488	0
Department of Transportation, total	749,878	4,195	344,751	400,932
Coast Guard	23,792	0	5,948	17,844
Federal Aviation Administration	293,778	0	75,289	218,489
Federal Highway Administration	353,547	4,195	201,632	147,720
Federal Railroad Administration	25,202	0	20,917	4,285
Federal Transit Administration[7]	16,921	0	11,786	5,135
Maritime Administration	1,745	0	1,745	0
National Highway Traffic Safety Administration	25,315	0	25,315	0
Office of the Secretary	4,679	0	691	3,988
Research & Special Programs Administration	4,899	0	1,428	3,471
Department of the Treasury, total	27,027	14,378	5,599	7,050
Bureau of Engraving & Printing	4,296	66	4,230	0
Financial Crimes Enforcement Network	1,875	0	0	1,875
Internal Revenue Service	14,312	14,312	0	0
Office of Thrift Supervision[8]	448	0	448	0
United States Customs Service	4,475	0	350	4,125
United States Mint	1,050	0	0	1,050
United States Secret Service[9]	571	0	571	0
Department of Veterans Affairs	255,860	14,328	210,317	31,215

See explanatory information, if any, and SOURCE at end of table.

Table C-5. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Other agencies				
Advisory Commission on Intergovernmental Relations	1,175	0	1,175	0
Agency for International Development	315,647	5,967	270,175	39,505
Appalachian Regional Commission	900	0	900	0
Consumer Product Safety Commission	430	0	192	238
Environmental Protection Agency	556,976	100,256	306,337	150,383
Federal Communications Commission	1,735	0	1,735	0
Federal Trade Commission	884	0	884	0
Library of Congress	10,612	446	1,565	8,601
National Aeronautics & Space Administration	8,765,996	1,966,017	2,074,095	4,725,884
National Archives & Records Administration	120	0	120	0
National Science Foundation	2,030,878	1,875,277	155,601	0
Nuclear Regulatory Commission	114,417	0	114,417	0
Smithsonian Institution	104,000	104,000	0	0
Tennessee Valley Authority	107,312	10,590	21,955	74,767
United States Arms Control & Disarmament Agency	1,323	0	1,323	0
United States Information Agency	698	0	698	0
United States International Trade Commission	12,695	0	12,695	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System.

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-6. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Total, all agencies	69,366,227	14,201,008	13,960,159	41,205,060
Departments				
Department of Agriculture, total	1,396,851	661,115	653,887	81,849
Agricultural Cooperative Service	3,560	0	3,560	0
Agricultural Marketing Service[1]	4,785	0	4,174	611
Agricultural Research Service	672,218	363,385	251,304	57,529
Animal & Plant Health Inspection Service	17,309	0	0	17,309
Cooperative State Research Service	407,273	204,942	202,331	0
Economic Research Service	53,654	9,658	43,996	0
Federal Grain Inspection Service	1,791	0	1,791	0
Forest Service	212,900	80,900	125,600	6,400
Foreign Agricultural Service[2]	1,422	1,067	355	0
Human Nutrition Information Service	18,403	0	18,403	0
National Agricultural Statistics Service	3,536	1,163	2,373	0
Department of Commerce, total	1,212,399	52,019	860,329	300,051
Bureau of the Census	5,564	355	2,958	2,251
Economic Development Administration	500	0	500	0
National Institute of Standards & Technology	693,848	51,289	387,551	255,008
National Oceanic & Atmospheric Administration	508,020	375	464,853	42,792
National Telecommunications & Information Admin	4,467	0	4,467	0
Department of Defense, total	34,926,815	1,244,138	3,018,484	30,664,193
Department of the Army	5,326,040	219,291	592,697	4,514,052
Department of the Navy	9,099,860	434,075	514,801	8,150,984
Department of the Air Force	12,250,566	209,939	666,865	11,373,762
Defense agencies, total	7,986,353	380,833	1,244,121	6,361,399
Advanced Research Projects Agency	2,652,140	87,590	817,439	1,747,111
Ballistic Missile Defense Organization	2,955,117	0	107,713	2,847,404
Defense Information Systems Agency	80,734	0	1,870	78,864
Defense Logistics Agency	58,183	0	0	58,183
Defense Mapping Agency	86,556	0	0	86,556
Defense Nuclear Agency	273,113	0	232,061	41,052
Joint Staff[3]	11,640	0	0	11,640
Special Operations Command	204,868	0	55,732	149,136
Washington Headquarters Services	1,664,002	293,243	29,306	1,341,453
Operational Test & Evaluation, Director	12,501	0	0	12,501
Test & Evaluation, Deputy Under Secretary Defense	251,495	0	0	251,495
Department of Education	173,619	6,108	131,176	36,335
Department of Energy	6,370,387	1,664,886	1,716,113	2,989,388
Department of Health & Human Services, total	11,481,099	6,269,011	3,851,931	1,360,157
Administration on Aging[4]	20,400	0	2,700	17,700
Administration for Children & Families[4]	15,717	0	14,583	1,134
Agency for Health Care Policy & Research[5]	108,153	0	99,500	8,653
Centers for Disease Control	202,921	0	202,921	0
Food & Drug Administration	168,600	0	168,600	0
Health Care Financing Administration	68,620	0	68,620	0
Health Resources & Services Administration	8,355	1,035	7,320	0
National Institutes of Health	10,851,260	6,267,976	3,252,687	1,330,597
Office of the Assistant Secretary for Health	1,073	0	0	1,073
Office of the Secretary	13,000	0	13,000	0
Social Security Administration	23,000	0	22,000	1,000
Department of Housing & Urban Development	40,461	0	14,805	25,656

See explanatory information, if any, and SOURCE at end of table

Table C-6. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Department of the Interior, total	630,664	192,779	391,722	46,163
Bureau of Mines	99,315	32,601	61,004	5,710
Bureau of Reclamation	6,056	0	4,510	1,546
Geological Survey	358,601	148,150	200,431	10,020
Minerals Management Service	5,092	0	5,092	0
National Biological Survey	142,440	11,358	102,220	28,862
National Park Service	19,135	670	18,465	0
Office of the Secretary	25	0	0	25
Department of Justice, total	45,814	4,594	17,789	23,431
Bureau of Prisons[6]	5,900	0	2,450	3,450
Drug Enforcement Administration	900	0	72	828
Federal Bureau of Investigation	11,119	0	0	11,119
Immigration & Naturalization Service	400	0	400	0
Office of Justice Programs	27,495	4,594	14,867	8,034
Department of Labor, total	65,639	11,750	18,421	35,468
Bureau of Labor Statistics	13,100	11,600	1,500	0
Employment & Training Administration	38,254	150	5,615	32,489
Occupational Safety & Health Administration	5,350	0	5,350	0
Office of the Secretary	5,695	0	3,067	2,628
Pension Benefit Guaranty Corporation	520	0	169	351
Pension & Welfare Benefits Administration	2,720	0	2,720	0
Department of State	594	92	502	0
Department of Transportation, total	692,159	2,340	307,987	381,832
Coast Guard	20,285	0	5,072	15,213
Federal Aviation Administration	288,284	0	72,702	215,582
Federal Highway Administration	293,395	2,340	166,444	124,611
Federal Railroad Administration	29,150	0	16,725	12,425
Federal Transit Administration[7]	24,206	0	16,570	7,636
Maritime Administration	3,627	0	3,627	0
National Highway Traffic Safety Administration	24,513	0	24,513	0
Office of the Secretary	4,736	0	931	3,805
Research & Special Programs Administration	3,963	0	1,403	2,560
Department of the Treasury, total	28,713	17,140	3,679	7,894
Bureau of Engraving & Printing	1,955	0	1,955	0
Financial Crimes Enforcement Network	1,932	0	0	1,932
Internal Revenue Service	17,140	17,140	0	0
Office of Thrift Supervision[8]	491	0	491	0
United States Customs Service	6,575	0	650	5,925
United States Mint	37	0	0	37
United States Secret Service[9]	583	0	583	0
Department of Veterans Affairs	211,000	10,550	175,130	25,320

See explanatory information, if any, and SOURCE at end of table.

Table C-6. Estimated Federal obligations for total research and development, by agency and character of work: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Research		Development
		Basic	Applied	
Other agencies				
Advisory Commission on Intergovernmental Relations	1,575	0	1,575	0
Agency for International Development	313,951	6,875	264,475	42,601
Appalachian Regional Commission	900	0	900	0
Consumer Product Safety Commission	275	0	0	275
Environmental Protection Agency	610,684	109,923	305,342	195,419
Federal Communications Commission	2,231	0	2,231	0
Federal Trade Commission	934	0	934	0
Library of Congress	10,523	475	1,593	8,455
National Aeronautics & Space Administration	8,584,891	1,785,630	1,896,760	4,902,501
National Archives & Records Administration	120	0	120	0
National Science Foundation	2,219,039	2,043,793	175,246	0
Nuclear Regulatory Commission	112,329	0	112,329	0
Smithsonian Institution	106,000	106,000	0	0
Tennessee Valley Authority	112,817	11,790	22,955	78,072
United States Arms Control & Disarmament Agency	1,050	0	1,050	0
United States Information Agency	183	0	183	0
United States International Trade Commission	12,511	0	12,511	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System.

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-7. Federal obligations for total research and development, by agency and performer: fiscal year 1993

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	67,314.0	16,556.2	30,326.1	1,451.3	11,156.1	3,666.5	2,811.9	753.4	320.3	272.2
Departments:										
Department of Agriculture, total	1,327.8	867.5	7.9	-	432.7	.0	12.9	.0	2.2	4.5
Agricultural Cooperative Service	2.9	2.6	.0	.0	.3	.0	.0	.0	.0	.0
Agricultural Marketing Service[2]	4.7	4.5	.0	.0	.2	.0	.0	.0	.0	.0
Agricultural Research Service	627.2	596.0	.0	.0	22.3	.0	4.2	.0	.3	4.4
Animal & Plant Health Inspection Service	17.1	15.3	.0	.0	1.8	.0	.0	.0	.0	.0
Cooperative State Research Svc	418.6	22.2	7.1	.0	380.4	.0	7.5	.0	1.4	.0
Economic Research Service	58.9	57.1	.0	.0	1.8	.0	.0	.0	.0	.0
Federal Grain Inspection Service	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0
Forest Service	182.7	155.7	.6	.0	24.7	.0	.9	.0	.6	.1
Human Nutrition Information Svc	8.4	7.3	.1	.0	.7	.0	.4	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.9	3.6	.0	-	.3	.0	.0	.0	.0	.0
Office of International Cooperation & Development[3]	1.5	1.4	.0	.0	.2	.0	.0	.0	.0	.0
Department of Commerce, total	656.3	499.9	94.1	.0	53.9	.8	.5	.0	7.1	-
Bureau of the Census	5.4	5.4	.0	.0	.0	.0	.0	.0	.0	.0
National Institute of Standards & Technology	207.2	151.1	49.3	.0	6.2	-	.5	.0	.0	-
National Oceanic & Atmospheric Administration	439.5	339.2	44.9	.0	47.6	.7	.0	.0	7.1	.0
National Telecommunications & Information Administration	4.2	4.2	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, research[4]	4,783.5	1,650.8	1,762.7	44.3	1,090.1	116.3	78.9	16.1	.1	24.2
Department of Defense, development[4]	31,065.7	7,091.6	21,891.5	157.7	525.7	428.4	338.8	476.0	7.9	148.1
Department of the Army, research and development (R&D)	6,209.1	2,723.4	3,080.4	35.7	146.4	85.1	108.0	19.1	-	10.9
Department of the Navy R&D	9,102.9	3,246.0	5,138.9	2.1	480.1	25.4	98.2	68.8	.0	43.3
Department of the Air Force R&D	12,635.3	909.3	11,158.5	8.6	214.6	64.1	13.0	256.7	5.3	5.2
Defense agencies R&D, total	7,647.0	1,727.4	4,203.7	151.4	769.6	369.0	198.1	127.8	1.4	98.5
Advanced Rsch Projects Agcy R&D	1,726.8	172.8	959.4	26.3	304.3	65.7	178.7	15.1	.0	4.3
Ballistic Missile Defense Organization R&D	3,682.9	699.9	2,379.5	95.4	144.0	223.2	2.3	54.8	.0	83.7
Defense Info Systems Agcy R&D	95.2	13.2	66.9	.0	1.9	1.3	.0	10.5	1.4	.0
Defense Logistics Agency R&D	20.4	6.3	6.2	.0	.9	.0	4.8	1.9	.0	.3
Defense Mapping Agency R&D	59.1	3.3	55.8	.0	.0	.0	.0	.0	.0	.0
Defense Nuclear Agency R&D	487.8	154.5	273.5	12.4	4.6	34.5	6.2	1.4	.0	.9
Joint Staff R&D[4]	29.9	26.0	3.9	.0	.0	.0	.0	.0	.0	.0
Special Operations Command R&D	171.4	77.2	93.0	1.1	.0	.0	.0	.0	.0	.0
Uniformed Services University of the Health Sciences R&D	3.5	3.5	.0	.0	.0	.0	.0	.0	.0	.0
Washington Headquarters Svcs R&D	1,370.0	570.8	365.5	16.1	313.9	44.3	6.1	44.1	.0	9.2
Operational Test & Evaluation R&D, Director	12.3	1.4	.0	.0	.0	.0	.2	10.8	.0	.0
Test & Evaluation R&D, Deputy Under Secretary Defense	242.5	134.8	72.7	4.1	5.1	1.0	.2	8.9	1.3	14.4
Department of Education	177.7	10.0	8.0	.0	105.0	.0	50.2	.0	4.6	.0
Department of Energy	6,262.1	517.0	1,445.9	1,093.8	583.3	2,204.9	189.2	222.3	1.8	4.0

See explanatory information, if any, and SOURCE at end of table.

Table C-7. Federal obligations for total research and development, by agency and performer: fiscal year 1993

[Dollars in millions]

Page 2 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	10,349.2	2,032.5	450.0	108.0	5,923.3	77.8	1,556.0	14.7	135.2	51.7
Administration on Aging[5]	20.9	.8	.0	.0	4.3	.0	9.5	.0	6.4	.0
Admin for Children & Families[5]	19.9	.4	.0	.0	2.6	.0	16.4	.0	.5	.0
Agency for Health Care Policy & Research[6]	114.8	29.9	10.0	.0	53.3	.0	21.2	.0	.3	.0
Centers for Disease Control	162.5	100.7	5.5	.0	42.4	.0	12.4	.0	1.4	.0
Food & Drug Administration	154.5	140.9	.0	.0	8.0	.0	5.6	.0	.0	.0
Health Care Financing Admin	68.2	1.3	16.8	.0	6.1	.0	31.2	.0	12.8	.0
Health Resources & Svcs Admin	9.6	3.0	.0	.0	5.4	.0	1.2	.0	.0	.0
National Institutes of Health	9,765.1	1,736.1	412.8	108.0	5,795.4	77.8	1,457.4	14.7	111.1	51.7
Office of the Assistant Secretary for Health	1.2	.1	.0	.0	.7	.0	.5	.0	.0	.0
Office of the Secretary	8.0	2.1	1.2	.0	4.0	.0	.6	.0	.1	.0
Social Security Administration	24.5	17.1	3.7	.0	1.1	.0	-	.0	2.6	.0
Department of Housing & Urban Dvlpmt	23.6	15.8	3.9	.0	.4	.0	3.5	.0	.0	.0
Department of the Interior, total	619.1	521.8	29.9	2.1	60.0	.0	.9	.0	3.4	1.0
Bureau of Land Management	8.9	5.3	.0	.0	3.7	.0	.0	.0	.0	.0
Bureau of Mines	111.9	82.9	14.7	.1	12.3	.0	.0	.0	.1	.0
Bureau of Reclamation	10.3	8.6	.0	.0	1.0	.0	.7	.0	.0	.0
Geological Survey	356.7	322.8	12.0	.0	18.5	.0	.1	.0	3.3	.0
Minerals Management Service	5.8	2.3	1.2	.2	1.1	.0	.0	.0	.0	1.0
National Park Service	38.1	21.1	1.7	.0	15.2	.0	.1	.0	-	.0
Office of the Secretary	.4	.1	.3	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	.5	-	.0	.0	.5	.0	.0	.0	.0	.0
US Fish & Wildlife Service	86.5	78.8	.0	.0	7.7	.0	.0	.0	.0	.0
Department of Justice, total	48.9	14.9	2.6	.1	5.9	.0	19.3	.0	6.0	.0
Bureau of Prisons[7]	6.1	2.5	.0	.0	.1	.0	.0	.0	3.5	.0
Drug Enforcement Administration	.9	.1	.7	.1	.0	.0	.0	.0	.0	.0
Federal Bureau of Investigation	11.3	11.3	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.4	-	.0	.0	.0	.0	.4	.0	.0	.0
Office of Justice Programs	30.2	1.0	1.9	.0	5.8	.0	18.9	.0	2.5	.0
Department of Labor, total	55.0	16.0	13.3	.0	6.2	.0	2.3	.0	17.2	.0
Bureau of Labor Statistics	6.9	2.5	.0	.0	4.4	.0	.0	.0	.0	.0
Employment & Training Admin	35.9	8.9	6.5	.0	1.7	.0	1.7	.0	17.1	.0
Occupational Safety & Health Administration	2.5	1.2	1.3	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	5.8	2.4	2.6	.0	.1	.0	.6	.0	.1	.0
Pension Benefit Guaranty Corporation	1.3	.4	1.0	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefit Admin	2.6	.7	1.9	.0	.0	.0	.0	.0	.0	.0
Department of State	5.3	.4	.1	.0	.0	-	4.7	.0	.0	.0
Department of Transportation, total	545.3	204.1	136.3	4.8	62.2	15.3	16.7	5.7	98.7	1.6
Coast Guard	32.9	23.4	8.9	.0	.7	.0	.0	.0	.0	.0
Federal Aviation Administration	248.9	136.6	66.3	.4	24.5	14.0	.0	5.7	.0	1.4
Federal Highway Administration	174.9	12.0	44.7	4.4	27.8	1.3	8.0	.0	76.5	.2
Federal Railroad Administration	25.2	10.7	6.3	.0	.1	.0	7.0	.0	1.0	.0
Federal Transit Administration[8]	24.3	-	.0	.0	3.0	.0	.0	.0	21.2	.0
Maritime Administration	1.7	1.0	.7	.0	.1	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	31.6	16.6	7.4	.0	6.0	.0	1.7	.0	.0	.0
Office of the Secretary	4.5	3.5	1.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Administration	1.3	.3	1.0	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

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Table C-7. Federal obligations for total research and development, by agency and performer: fiscal year 1993

[Dollars in millions]

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	16.6	11.1	3.2	.0	-	0.1	.0	2.2	.0	.0
Bureau of Engraving & Printing	3.2	3.1	.0	.0	.0	.1	.0	.0	.0	.0
Financial Crimes Enforcement Network	1.5	1.5	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	6.5	4.3	.0	.0	.0	.0	.0	2.2	.0	.0
Office of Thrift Supervision[9]	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	4.0	1.2	2.8	.0	-	.0	.0	.0	.0	.0
United States Mint	.1	-	.1	.0	.0	.0	.0	.0	.0	.0
United States Secret Service[10]	.6	.2	.3	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	236.2	233.8	.0	.0	2.4	.0	.0	.0	.0	.0
Other agencies:										
Advisory Commission on Intergovernmental Relations	2.1	2.1	.0	.0	.0	.0	.0	.0	.0	.0
Agency for International Development	382.2	183.1	9.2	.0	29.3	.0	152.6	.0	.0	8.2
Appalachian Regional Commission	.9	.4	.0	.0	.1	.0	.0	.0	0.4	.0
Consumer Product Safety Commission	1.2	1.1	.1	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	495.3	110.9	266.0	.0	92.1	.0	.0	.0	26.3	.0
Federal Communications Commission	1.6	1.6	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	10.5	10.5	.0	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin	8,019.9	2,295.2	4,112.2	.0	613.7	685.3	280.3	2.2	6.3	24.8
National Archives & Records Admin	.3	.3	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	1,881.9	18.3	74.2	0.5	1,561.9	118.9	102.3	.3	3.2	2.3
Nuclear Regulatory Commission	119.8	23.3	14.2	40.1	4.8	18.8	2.8	13.9	.0	1.9
Smithsonian Institution	102.0	102.0	.0	.0	.0	.0	.0	.0	.0	.0
Tennessee Valley Authority	108.6	105.6	.0	.0	2.9	.0	.0	.0	.0	.0
US Arms Control & Disarmament Agcy	1.5	.5	.9	.0	-	.0	.1	.0	.0	.0
United States Information Agency	1.1	1.1	.0	.0	.0	.0	.0	.0	.0	.0
US International Trade Commission	12.2	12.2	.0	.0	.0	.0	.0	.0	.0	.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] Beginning with volume XL, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

[5] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[6] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[7] Formerly listed as Federal Prison System

[8] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[9] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[10] Formerly listed as Office of Protective Research

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers
= Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-8. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1994

[Dollars in millions]

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	69,593.8	17,236.8	31,004.7	1,306.4	11,969.4	3,490.0	2,990.9	781.5	568.8	245.3
Departments:										
Department of Agriculture, total	1,387.6	903.5	12.2	-	453.5	.0	12.6	.0	2.2	3.5
Agricultural Cooperative Service	2.4	2.4	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Marketing Service [2]	4.9	4.9	.0	.0	.0	.0	.0	.0	.0	.0
Agricultural Research Service	654.9	623.2	.0	.0	23.9	.0	4.2	.0	.3	3.4
Animal & Plant Health Inspection Service	17.7	15.9	.0	.0	1.8	.0	.0	.0	.0	.0
Cooperative State Research Svc	441.1	23.1	7.5	.0	401.7	.0	7.5	.0	1.4	.0
Economic Research Service	55.2	54.1	.0	.0	1.1	.0	.0	.0	.0	.0
Federal Grain Inspection Service	1.8	1.8	.0	.0	.0	.0	.0	.0	.0	.0
Forest Service	193.1	166.7	.6	.0	24.2	.0	.9	.0	.6	.1
Foreign Agricultural Service [3]	1.4	1.1	.0	.0	.4	.0	.0	.0	.0	.0
Human Nutrition Information Svc	11.7	7.2	4.2	.0	.3	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.5	3.3	.0	-	.2	.0	.0	.0	.0	.0
Department of Commerce, total	982.6	563.6	339.7	.0	70.1	.5	.7	.8	7.2	-
Bureau of the Census	5.4	5.4	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin	.5	.1	.0	.0	.2	.0	.2	.0	.0	.0
National Institute of Standards & Technology	425.7	197.8	219.4	.0	7.9	-	.5	.0	.0	-
National Oceanic & Atmospheric Administration	546.5	355.7	120.3	.0	62.0	.5	-	.8	7.2	0
National Telecommunications & Information Administration	4.6	4.6	.0	.0	.0	.0	.0	.0	.0	0
Department of Defense, research [4]	4,385.4	1,413.6	1,561.0	16.3	1,205.7	71.9	81.6	12.1	.1	23.2
Department of Defense, development [4]	31,264.1	7,392.2	21,936.2	76.9	520.2	307.2	441.8	448.3	16.5	124.7
Department of the Army, research and development (R&D)	5,756.9	2,593.7	2,766.1	12.0	236.5	44.4	72.9	22.8	.0	8.4
Department of the Navy R&D	9,475.5	3,175.5	5,640.7	1.6	409.3	34.6	103.7	67.3	.0	42.8
Department of the Air Force R&D	12,160.6	1,003.7	10,588.9	19.9	198.4	65.8	16.0	245.3	12.9	9.7
Defense agencies R&D, total	8,013.4	1,938.3	4,372.8	59.1	878.9	233.2	330.3	110.9	2.9	87.1
Advanced Rsch Projects Agcy R&D	3,170.3	578.2	1,746.9	8.9	364.4	117.9	308.9	36.0	.0	9.1
Ballistic Missile Defense Organization R&D	2,570.5	523.0	1,774.2	31.9	78.7	74.2	4.6	19.8	.0	64.1
Defense Info Systems Agcy R&D	90.7	15.6	48.9	.0	2.2	2.6	.0	18.4	2.9	.0
Defense Logistics Agency R&D	37.2	9.9	5.9	.0	8.7	.0	10.2	2.4	.0	.0
Defense Mapping Agency R&D	67.7	3.0	64.3	.0	.3	.0	.0	.0	.0	.0
Defense Nuclear Agency R&D	271.4	63.6	180.2	4.9	4.5	13.9	1.8	1.2	.0	1.3
Joint Staff R&D [4]	29.3	25.8	3.5	.0	.0	.0	.0	.0	.0	.0
Special Operations Command R&D	245.6	81.6	164.0	.0	.0	.0	.0	.0	.0	.0
Uniformed Services University of the Health Sciences R&D	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
Washington Headquarters Svcs R&D	1,530.1	636.7	385.1	13.3	419.9	24.6	4.8	33.0	.0	12.7
Operational Test & Evaluation R&D, Director	11.5	.4	.0	.0	.0	.0	.3	10.8	.0	.0
Test & Evaluation R&D, Deputy Under Secretary Defense	231.8	94.2	128.7	.6	2.9	1.1	.2	3.2	.9	.0
Department of Education	188.6	10.8	7.3	.0	109.2	.0	57.3	.0	4.0	.0
Department of Energy	6,529.6	626.2	1,760.2	1,059.8	633.4	2,071.7	102.2	270.3	2.4	3.5

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1994

[Dollars in millions]

Page 2 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Dept of Health & Human Svcs, total	11,031.5	2,187.3	484.8	111.9	6,287.2	81.4	1,659.4	15.4	148.7	55.5
Administration on Aging[5]	20.3	9	.0	.0	1.5	.0	10.1	.0	7.9	.0
Admin for Children & Families[5]	16.4	.4	.0	.0	1.5	.0	14.0	.0	5	.0
Agency for Health Care Policy & Research[6]	141.2	34.3	12.8	.0	67.4	.0	26.7	.0	.0	.0
Centers for Disease Control	202.9	137.7	6.2	.0	44.6	.0	13.0	.0	1.4	.0
Food & Drug Administration	168.3	152.1	.0	.0	10.2	.0	6.1	.0	0	.0
Health Care Financing Admin	86.0	.9	20.8	.0	7.3	.0	39.0	.0	17.7	.3
Health Resources & Svcs Admin	9.1	2.4	.0	.0	5.5	.0	1.3	.0	.0	.0
National Institutes of Health	10,341.9	1,840.1	437.8	111.9	6,145.6	81.4	1,537.8	15.4	116.7	55.3
Office of the Assistant Secretary for Health	1.1	.1	.0	.0	.7	.0	3	.0	.0	.0
Office of the Secretary	11.7	3.0	2.7	.0	2.0	.0	2.0	.0	2.0	.0
Social Security Administration	32.5	15.5	4.5	.0	1.0	.0	9.0	.0	2.5	.0
Department of Housing & Urban Dvlpmt	38.6	19.6	10.3	.0	.6	.0	8.0	.0	.0	.0
Department of the Interior, total	629.1	547.0	29.9	1.5	46.0	.1	.7	.0	2.9	1.0
Bureau of Mines	111.7	85.8	16.3	1.4	8.1	.0	.0	.0	.0	.0
Bureau of Reclamation	9.7	8.5	.0	.0	.5	.0	.7	.0	.0	.0
Geological Survey	358.4	326.0	10.9	.0	18.6	.0	-	.0	2.8	.0
Minerals Management Service	5.0	2.1	1.2	.1	.6	.0	.0	.0	-	1.0
National Biological Survey	124.9	112.7	.0	.0	12.3	.0	.0	.0	.0	.0
National Park Service	19.3	11.8	1.5	.0	5.9	.1	-	.0	.0	.0
Office of the Secretary	.1	.1	-	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	45.6	15.8	2.7	.1	2.3	.0	19.4	.0	5.4	.0
Bureau of Prisons[7]	6.0	2.5	.0	.0	.0	.0	.0	.0	3.5	.0
Drug Enforcement Administration	.9	.2	.7	.1	.0	.0	.0	.0	.0	.0
Federal Bureau of Investigation	11.5	11.5	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.4	-	.0	.0	.0	.0	.4	.0	.0	.0
Office of Justice Programs	26.8	1.6	2.1	.0	2.3	.0	19.0	.0	1.9	.0
Department of Labor, total	52.0	10.6	12.0	.0	4.2	.0	4.9	.0	20.4	.0
Bureau of Labor Statistics	7.1	3.1	.0	.0	4.0	.0	.0	.0	.0	.0
Employment & Training Admin	31.9	2.8	5.0	.0	.1	.0	3.6	.0	20.4	.0
Occupational Safety & Health Administration	3.7	1.2	2.4	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	5.7	2.4	1.9	.0	.1	.0	1.3	.0	-	.0
Pension Benefit Guaranty Corporation	1.0	.3	.7	.0	.0	.0	.0	.0	0	.0
Pension & Welfare Benefit Admin	2.6	.7	1.9	.0	.0	.0	.0	.0	.0	.0
Department of State	.6	.5	.1	.0	.0	-	-	.0	0	.0
Department of Transportation, total	749.9	177.1	248.1	.8	67.8	.3	19.7	13.7	222.3	.0
Coast Guard	23.8	16.9	6.3	.0	.6	.0	.0	.0	.0	.0
Federal Aviation Administration	293.8	112.7	147.5	.0	19.8	.0	.0	13.7	.0	.0
Federal Highway Administration	353.5	16.4	75.5	.8	38.3	.3	14.0	.0	208.3	.0
Federal Railroad Administration	25.2	10.7	9.5	.0	.1	.0	4.9	.0	.0	.0
Federal Transit Administration[8]	16.9	-	.0	.0	2.9	.0	.0	.0	14.0	.0
Maritime Administration	1.7	1.0	.7	.0	.1	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	25.3	12.9	5.5	.0	6.0	.0	.9	.0	.0	.0
Office of the Secretary	4.7	3.6	1.1	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Administration	4.9	3.0	1.9	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-8. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1994

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	27.0	17.7	4.4	.0	.0	0.2	.0	4.7	.0	.0
Bureau of Engraving & Printing	4.3	4.1	.0	.0	.0	.2	.0	.0	.0	.0
Financial Crimes Enforcement Network	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	14.3	9.6	.0	.0	.0	.0	.0	4.7	.0	.0
Office of Thrift Supervision[9]	.4	.4	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	4.5	1.4	3.1	.0	.0	.0	.0	.0	.0	.0
United States Mint	1.1	.1	1.0	.0	.0	.0	.0	.0	.0	.0
United States Secret Service[10]	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	255.9	252.9	.0	.0	2.9	.0	.0	.0	.0	.0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0
Agency for International Development	315.6	113.9	6.5	.0	28.3	.0	162.7	.0	.0	4.2
Appalachian Regional Commission	.9	.1	.0	.0	.0	.0	.0	.0	0.8	.0
Consumer Product Safety Commission	.4	.3	.1	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	557.0	115.8	201.1	.0	113.8	.0	.0	.0	126.3	.0
Federal Communications Commission	1.7	1.7	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	10.6	10.6	.0	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin	8,766.0	2,593.5	4,284.4	.0	732.8	815.7	306.4	2.2	6.3	24.8
National Archives & Records Admin	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	2,030.9	18.3	94.0	0.5	1,678.3	122.3	111.3	.4	3.4	2.5
Nuclear Regulatory Commission	114.4	22.7	9.0	38.5	7.0	18.7	2.2	13.8	.0	2.3
Smithsonian Institution	104.0	104.0	.0	.0	.0	.0	.0	.0	.0	.0
Tennessee Valley Authority	107.3	101.3	.0	.0	6.0	.0	.0	.0	.0	.0
US Arms Control & Disarmament Agcy	1.3	.6	.7	.0	.0	.0	-	.0	.0	.0
United States Information Agency	.7	.7	.0	.0	.0	.0	.0	.0	.0	.0
US International Trade Commission	12.7	12.7	.0	.0	.0	.0	.0	.0	.0	.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994

[4] Beginning with volume XL, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching

[5] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging

[6] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health

[7] Formerly listed as Federal Prison System

[8] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[9] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[10] Formerly listed as Office of Protective Research

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-9. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995

[Dollars in millions]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	69,366.2	16,724.2	31,243.6	1,297.8	12,096.6	3,607.9	2,712.2	890.3	560.6	233.1
Departments:										
Department of Agriculture, total	1,396.9	944.6	14.2	-	424.4	.0	8.3	0	2.2	3.2
Agricultural Cooperative Service	3.6	3.6	.0	.0	.0	.0	.0	0	0	.0
Agricultural Marketing Service[2]	4.8	4.8	.0	.0	.0	.0	.0	0	0	.0
Agricultural Research Service	672.2	640.3	.0	.0	24.4	.0	4.2	.0	.3	3.1
Animal & Plant Health Inspection Service	17.3	15.5	.0	.0	1.8	.0	.0	.0	.0	.0
Cooperative State Research Svc	407.3	21.6	8.9	.0	372.2	.0	3.2	.0	1.4	.0
Economic Research Service	53.7	52.6	.0	.0	1.1	.0	.0	0	.0	.0
Federal Grain Inspection Service	1.8	1.8	.0	.0	.0	.0	.0	0	.0	.0
Forest Service	212.9	186.5	.6	.0	24.2	.0	.9	0	.6	.1
Foreign Agricultural Service[3]	1.4	1.1	.0	.0	.4	.0	.0	.0	.0	.0
Human Nutrition Information Svc	18.4	13.5	4.7	.0	.2	.0	.0	.0	.0	.0
Nat'l Agricultural Statistics Svc	3.5	3.4	.0	-	.2	.0	.0	.0	.0	.0
Department of Commerce, total	1,212.4	661.6	435.8	.0	103.0	.5	6.1	.0	5.4	-
Bureau of the Census	5.6	5.6	.0	.0	.0	.0	.0	.0	.0	.0
Economic Development Admin	.5	.1	.0	.0	.2	.0	.2	.0	.0	.0
National Institute of Standards & Technology	693.8	234.4	407.8	.0	45.7	-	5.9	.0	.0	-
National Oceanic & Atmospheric Administration	508.0	417.0	28.0	.0	57.1	.5	.0	.0	5.4	.0
National Telecommunications & Information Administration	4.5	4.5	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, research[4]	4,262.6	1,344.7	1,594.3	6.2	1,112.6	78.8	94.6	10.8	.2	20.5
Department of Defense, development[4]	30,664.2	6,815.4	22,430.7	75.6	362.9	237.1	143.2	480.2	3.5	115.5
Department of the Army, research and development (R&D)	5,326.0	2,473.5	2,631.6	9.1	131.2	22.4	34.0	17.0	.0	7.2
Department of the Navy R&D	9,099.9	3,115.8	5,390.2	1.7	393.0	23.4	50.7	73.1	.0	51.9
Department of the Air Force R&D	12,250.6	982.1	10,729.5	20.1	201.6	40.4	39.4	232.8	.2	4.6
Defense agencies R&D, total	7,986.4	1,504.2	5,116.2	49.1	746.9	228.6	113.3	152.9	2.8	72.4
Advanced Rsch Projects Agcy R&D	2,652.1	254.2	1,853.8	2.5	353.6	86.5	76.2	24.5	.0	.9
Ballistic Missile Defense Organization R&D	2,955.1	621.5	2,007.4	32.1	79.6	106.1	.4	63.5	.0	44.3
Defense Info Systems Agcy R&D	80.7	15.5	44.3	.0	1.6	2.5	.0	14.1	2.8	.0
Defense Logistics Agency R&D	58.2	24.3	4.2	.0	.2	.0	27.0	2.5	.0	.0
Defense Mapping Agency R&D	86.6	4.3	82.0	.0	.3	.0	.0	.0	.0	.0
Defense Nuclear Agency R&D	273.1	52.4	202.0	2.9	.9	11.0	2.5	.5	.0	.8
Joint Staff R&D[4]	11.6	4.9	6.8	.0	.0	.0	.0	.0	.0	.0
Special Operations Command R&D	204.9	65.8	113.0	2.5	.0	.0	.0	.0	.0	23.6
Washington Headquarters Svcs R&D	1,664.0	461.2	802.7	9.1	310.6	22.4	7.2	47.9	.0	2.9
Operational Test & Evaluation R&D, Director	12.5	1.6	.0	.0	.0	.0	.3	10.6	.0	.0
Test & Evaluation R&D, Deputy Under Secretary Defense	251.5	82.8	157.6	1.8	2.8	1.0	.2	4.7	.7	.0
Department of Education	173.6	10.5	8.7	.0	109.0	.0	41.5	.0	3.9	.0
Department of Energy	6,370.4	677.7	1,609.9	1,048.0	621.3	1,958.5	86.0	346.2	20.8	2.0

See explanatory information, if any, and SOURCE at end of table.

Table C-9. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995

[Dollars in millions]

Page 2 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	11,481.1	2,267.9	513.6	128.2	6,554.2	85.7	1,704.8	16.2	152.1	58.4
Administration on Aging [5]	20.4	.9	.0	.0	4.1	.0	8.8	.0	6.7	.0
Admin for Children & Families [5]	15.7	.4	.0	.0	1.5	.0	13.4	.0	.5	.0
Agency for Health Care Policy & Research [6]	108.2	26.6	9.8	.0	51.4	.0	20.4	.0	.0	.0
Centers for Disease Control	202.9	137.1	6.8	.0	44.6	.0	13.0	.0	1.4	.0
Food & Drug Administration	168.6	152.4	.0	.0	10.2	.0	6.1	.0	.0	.0
Health Care Financing Admin	68.6	1.1	26.8	.0	6.1	.0	18.4	.0	16.0	.2
Health Resources & Svcs Admin	8.4	2.8	.0	.0	4.5	.0	1.0	.0	.0	.0
National Institutes of Health	10,851.3	1,929.6	461.7	128.2	6,428.2	85.7	1,620.4	16.2	123.0	58.3
Office of the Assistant Secretary for Health	1.1	.1	.0	.0	.7	.0	.3	.0	.0	.0
Office of the Secretary	13.0	4.0	3.0	.0	2.0	.0	2.0	.0	2.0	.0
Social Security Administration	23.0	13.0	5.5	.0	1.0	.0	1.0	.0	2.5	.0
Department of Housing & Urban Dvlpmt	40.5	20.2	14.7	.0	.6	.0	4.9	.0	.0	.0
Department of the Interior, total	630.7	559.1	27.5	.1	39.5	.1	.5	.0	2.9	.9
Bureau of Mines	99.3	77.7	15.2	.0	6.5	.0	.0	.0	.0	.0
Bureau of Reclamation	6.1	5.2	.0	.0	.4	.0	.4	.0	.0	.0
Geological Survey	358.6	333.6	9.7	.0	12.3	.0	-	.0	2.9	.0
Minerals Management Service	5.1	2.2	1.2	.1	.6	.0	.0	.0	.0	.9
National Biological Survey	142.4	128.5	.0	.0	13.9	.0	.0	.0	.0	.0
National Park Service	19.1	11.8	1.4	.0	5.8	.1	.0	.0	.0	.0
Office of the Secretary	-	-	.0	.0	.0	.0	.0	.0	.0	.0
Department of Justice, total	45.8	15.8	2.7	.1	2.3	.0	19.9	.0	5.0	.0
Bureau of Prisons [7]	5.9	2.4	.0	.0	.0	.0	.0	.0	3.5	.0
Drug Enforcement Administration	.9	.2	.7	.1	.0	.0	.0	.0	.0	.0
Federal Bureau of Investigation	11.1	11.1	.0	.0	.0	.0	.0	.0	.0	.0
Immigration & Naturalization Svc	.4	-	.0	.0	.0	.0	.4	.0	.0	.0
Office of Justice Programs	27.5	2.1	2.0	.0	2.3	.0	19.6	.0	1.5	.0
Department of Labor, total	65.6	12.5	14.0	.0	9.5	.0	6.0	.0	23.6	.0
Bureau of Labor Statistics	13.1	3.8	.0	.0	9.3	.0	.0	.0	.0	.0
Employment & Training Admin	38.3	3.6	6.4	.0	.1	.0	4.5	.0	23.6	.0
Occupational Safety & Health Administration	5.4	1.4	3.9	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	5.7	2.7	1.5	.0	.1	.0	1.5	.0	-	.0
Pension Benefit Guaranty Corporation	.5	.3	.2	.0	.0	.0	.0	.0	.0	.0
Pension & Welfare Benefit Admin	2.7	.8	1.9	.0	.0	.0	.0	.0	.0	.0
Department of State	.6	.5	.1	.0	.0	-	-	.0	.0	.0
Department of Transportation, total	692.2	160.1	255.3	1.0	63.1	5.3	11.2	15.3	180.9	.0
Coast Guard	20.3	14.4	5.4	.0	.5	.0	.0	.0	.0	.0
Federal Aviation Administration	288.3	84.2	167.8	.0	21.0	.0	.0	15.3	.0	.0
Federal Highway Administration	293.4	31.4	58.2	1.0	32.5	5.3	5.5	.0	159.5	.0
Federal Railroad Administration	29.2	10.7	13.1	.0	.1	.0	5.2	.0	.0	.0
Federal Transit Administration [8]	24.2	-	.0	.0	2.9	.0	.0	.0	21.3	.0
Maritime Administration	3.6	1.4	2.1	.0	.1	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	24.5	12.5	5.5	.0	6.0	.0	.4	.0	.0	.0
Office of the Secretary	4.7	3.2	1.6	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Administration	4.0	2.4	1.6	.0	.0	.0	.0	.0	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-9. Estimated Federal obligations for total research and development, by agency and performer: fiscal year 1995

[Dollars in millions]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	28.7	17.4	5.4	.0	.0	0.2	.0	5.7	0	.0
Bureau of Engraving & Printing	2.0	1.8	.0	.0	.0	.2	.0	.0	0	.0
Financial Crimes Enforcement Network	1.9	1.9	.0	.0	.0	.0	.0	.0	.0	.0
Internal Revenue Service	17.1	11.5	.0	.0	.0	.0	.0	5.7	.0	.0
Office of Thrift Supervision [9]	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Service	6.6	1.5	5.1	.0	.0	.0	.0	.0	.0	.0
United States Mint	-	-	.0	.0	.0	.0	.0	.0	.0	.0
United States Secret Service [10]	.6	.3	.3	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	211.0	208.9	.0	.0	2.1	.0	.0	.0	0	.0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1.6	1.6	.0	.0	.0	.0	.0	.0	0	.0
Agency for International Development	314.0	105.5	8.6	.0	26.9	.0	170.4	.0	.0	2.5
Appalachian Regional Commission	.9	.1	.0	.0	.0	.0	.0	.0	0.8	.0
Consumer Product Safety Commission	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	610.7	136.1	223.4	.0	101.5	.0	.0	.0	149.6	.0
Federal Communications Commission	2.2	2.2	.0	.0	.0	.0	.0	.0	.0	.0
Federal Trade Commission	.9	.9	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	10.5	10.5	.0	.0	.0	.0	.0	.0	.0	.0
National Aeronautics & Space Admin	8,584.9	2,480.6	3,962.8	.0	735.8	1,072.4	300.0	2.2	6.3	24.8
National Archives & Records Admin	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
National Science Foundation	2,219.0	20.5	111.4	0.5	1,816.3	149.7	114.1	.4	3.4	2.7
Nuclear Regulatory Commission	112.3	23.2	9.6	38.1	5.3	19.7	.6	13.2	.0	2.6
Smithsonian Institution	106.0	106.0	.0	.0	.0	.0	.0	.0	.0	.0
Tennessee Valley Authority	112.8	106.7	.0	.0	6.1	.0	.0	.0	.0	.0
US Arms Control & Disarmament Agcy	1.1	.3	.8	.0	.0	.0	.0	.0	.0	.0
United States Information Agency	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
US International Trade Commission	12.5	12.5	.0	.0	.0	.0	.0	.0	.0	.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] Beginning with volume XL, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

[5] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[6] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[7] Formerly listed as Federal Prison System

[8] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[9] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[10] Formerly listed as Office of Protective Research

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
FFRDCs = Federally funded research and development centers
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-10. Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1993

[Dollars in thousands]

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,871,234	1,451,325	3,666,498	753,411	809,467	124,428	619,507	65,532
Departments:								
Department of Agriculture, total	13	13	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	13	13	0	0	0	0	0	0
Department of Commerce, total	770	0	770	0	0	0	0	0
National Institute of Standards & Technology	32	0	32	0	0	0	0	0
National Oceanic & Atmospheric Administration	738	0	738	0	0	0	0	0
Department of Defense, total	1,238,778	201,988	544,677	492,113	678	373	285	20
Department of the Army	139,887	35,707	85,098	19,082	0	0	0	0
Department of the Navy	96,307	2,130	25,409	68,768	0	0	0	0
Department of the Air Force	329,475	8,620	64,113	256,742	0	0	0	0
Defense agencies, total	648,276	151,424	369,032	127,820	678	373	285	20
Advanced Rsch Projects Agency	107,117	26,334	65,695	15,088	0	0	0	0
Ballistic Missile Defense Organization	373,464	95,422	223,205	54,837	0	0	0	0
Defense Info Systems Agency	11,843	0	1,310	10,533	0	0	0	0
Defense Logistics Agency	1,880	0	0	1,880	0	0	0	0
Defense Nuclear Agency	48,311	12,442	34,479	1,390	0	0	0	0
Special Operations Command	1,135	1,135	0	0	0	0	0	0
Washington Headquarters Svcs	104,526	16,091	44,343	44,092	678	373	285	20
Operational Test & Evaluation, Director	10,800	0	0	10,800	0	0	0	0
Test & Evaluation, Deputy Under Secretary Defense	14,033	4,107	1,025	8,901	0	0	0	0
Department of Energy	3,521,099	1,093,849	2,204,925	222,325	766,450	124,055	576,883	65,512
Dept of Health & Human Svcs, total	200,504	107,979	77,780	14,745	0	0	0	0
National Institutes of Health	200,504	107,979	77,780	14,745	0	0	0	0
Department of the Interior, total	2,083	2,083	0	0	0	0	0	0
Bureau of Mines	1,917	1,917	0	0	0	0	0	0
Minerals Management Service	166	166	0	0	0	0	0	0
Department of Justice, total	100	100	0	0	0	0	0	0
Drug Enforcement Administration	100	100	0	0	0	0	0	0
Department of State	15	0	15	0	0	0	0	0
Department of Transportation, total	25,743	4,806	15,279	5,658	0	0	0	0
Federal Aviation Administration	20,070	433	13,979	5,658	0	0	0	0
Federal Highway Administration	5,673	4,373	1,300	0	0	0	0	0
Department of the Treasury, total	2,290	0	135	2,155	0	0	0	0
Bureau of Engraving & Printing	135	0	135	0	0	0	0	0
Internal Revenue Service	2,155	0	0	2,155	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	687,456	0	685,258	2,198	18,040	0	18,040	0
National Science Foundation	119,644	453	118,861	330	24,299	0	24,299	0
Nuclear Regulatory Commission	72,739	40,054	18,798	13,887	0	0	0	0

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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Table C-11. Estimated Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,577,943	1,306,417	3,489,989	781,537	849,855	120,666	656,500	72,689
Departments:								
Department of Agriculture, total	15	15	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	15	15	0	0	0	0	0	0
Department of Commerce, total	1,293	0	533	760	0	0	0	0
National Institute of Standards & Technology	33	0	33	0	0	0	0	0
National Oceanic & Atmospheric Administration	1,260	0	500	760	0	0	0	0
Department of Defense, total	932,628	93,207	379,085	460,336	665	388	259	18
Department of the Army	79,243	12,045	44,388	22,810	0	0	0	0
Department of the Navy	103,444	1,580	34,580	67,284	0	0	0	0
Department of the Air Force	331,044	19,909	65,820	245,315	0	0	0	0
Defense agencies, total	403,177	59,052	233,195	110,930	665	388	259	18
Advanced Rsch Projects Agency	162,866	8,945	117,924	35,997	0	0	0	0
Ballistic Missile Defense Organization	125,988	31,918	74,229	19,841	0	0	0	0
Defense Info Systems Agency	20,977	0	2,562	18,415	0	0	0	0
Defense Logistics Agency	2,447	0	0	2,447	0	0	0	0
Defense Nuclear Agency	19,998	4,866	13,901	1,231	0	0	0	0
Washington Headquarters Svcs	70,901	13,323	24,579	32,999	665	388	259	18
Operational Test & Evaluation, Director	10,800	0	0	10,800	0	0	0	0
Test & Evaluation, Deputy Under Secretary Defense	4,920	621	1,102	3,197	0	0	0	0
Department of Energy	3,401,772	1,059,837	2,071,679	270,256	799,765	120,278	606,816	72,671
Dept of Health & Human Svcs, total	208,656	111,894	81,386	15,376	0	0	0	0
National Institutes of Health	208,656	111,894	81,386	15,376	0	0	0	0
Department of the Interior, total	1,612	1,537	75	0	0	0	0	0
Bureau of Mines	1,447	1,447	0	0	0	0	0	0
Minerals Management Service	90	90	0	0	0	0	0	0
National Park Service	75	0	75	0	0	0	0	0
Department of Justice, total	100	100	0	0	0	0	0	0
Drug Enforcement Administration	100	100	0	0	0	0	0	0
Department of State	15	0	15	0	0	0	0	0
Department of Transportation, total	14,785	782	304	13,699	0	0	0	0
Federal Aviation Administration	13,699	0	0	13,699	0	0	0	0
Federal Highway Administration	1,086	782	304	0	0	0	0	0
Department of the Treasury, total	4,914	0	167	4,747	0	0	0	0
Bureau of Engraving & Printing	167	0	167	0	0	0	0	0
Internal Revenue Service	4,747	0	0	4,747	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	817,879	0	815,681	2,198	23,822	0	23,822	0
National Science Foundation	123,203	500	122,334	369	25,603	0	25,603	0
Nuclear Regulatory Commission	71,071	38,545	18,730	13,796	0	0	0	0

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-12. Estimated Federal obligations for research and development and for R&D plant to federally funded research and development centers, by agency: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Research and development				R&D plant			
	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts	Total	Admin by industrial firms	Admin by univs & colleges	Admin by other nonprofit insts
Total, all agencies	5,795,940	1,297,774	3,607,851	890,315	853,507	146,332	613,652	93,523
Departments:								
Department of Agriculture, total	15	15	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	15	15	0	0	0	0	0	0
Department of Commerce, total	533	0	533	0	0	0	0	0
National Institute of Standards & Technology	33	0	33	0	0	0	0	0
National Oceanic & Atmospheric Administration	500	0	500	0	0	0	0	0
Department of Defense, total	888,690	81,779	315,842	491,069	547	346	188	13
Department of the Army	48,495	9,116	22,421	16,958	0	0	0	0
Department of the Navy	98,267	1,709	23,419	73,139	0	0	0	0
Department of the Air Force	293,274	20,055	40,396	232,823	0	0	0	0
Defense agencies, total	430,586	49,109	228,606	152,871	547	346	188	13
Advanced Rsch Projects Agency	113,484	2,520	86,504	24,460	0	0	0	0
Ballistic Missile Defense Organization	201,766	32,146	106,145	63,475	0	0	0	0
Defense Info Systems Agency	16,556	0	2,493	14,063	0	0	0	0
Defense Logistics Agency	2,490	0	0	2,490	0	0	0	0
Defense Nuclear Agency	14,447	2,887	11,034	526	0	0	0	0
Special Operations Command	2,500	2,500	0	0	0	0	0	0
Washington Headquarters Svcs	79,343	9,056	22,430	47,857	547	346	188	13
Operational Test & Evaluation, Director	10,600	0	0	10,600	0	0	0	0
Test & Evaluation, Deputy Under Secretary Defense	7,468	1,790	1,000	4,678	0	0	0	0
Department of Energy	3,352,655	1,048,030	1,958,460	346,165	810,391	145,986	570,895	93,510
Dept of Health & Human Svcs, total	230,027	128,153	85,659	16,215	0	0	0	0
National Institutes of Health	230,027	128,153	85,659	16,215	0	0	0	0
Department of the Interior, total	175	100	75	0	0	0	0	0
Minerals Management Service	100	100	0	0	0	0	0	0
National Park Service	75	0	75	0	0	0	0	0
Department of Justice, total	100	100	0	0	0	0	0	0
Drug Enforcement Administration	100	100	0	0	0	0	0	0
Department of State	15	0	15	0	0	0	0	0
Department of Transportation, total	21,645	977	5,325	15,343	0	0	0	0
Federal Aviation Administration	15,343	0	0	15,343	0	0	0	0
Federal Highway Administration	6,302	977	5,325	0	0	0	0	0
Department of the Treasury, total	5,869	0	184	5,685	0	0	0	0
Bureau of Engraving & Printing	184	0	184	0	0	0	0	0
Internal Revenue Service	5,685	0	0	5,685	0	0	0	0
Other agencies:								
National Aeronautics & Space Admin	1,074,579	0	1,072,381	2,198	13,130	0	13,130	0
National Science Foundation	150,631	520	149,665	446	29,439	0	29,439	0
Nuclear Regulatory Commission	71,006	38,100	19,712	13,194	0	0	0	0

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-13. Federal obligations for research and development to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aero-nautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	5,871,234	770	1,238,778	3,521,099	200,504	687,456	119,644	102,983
FFRDCs administered by industrial firms	1,451,325	0	201,988	1,093,849	107,979	0	453	47,056
Energy Technology Engineering Center	14,288	0	0	13,766	0	0	0	522
Idaho National Engineering Laboratory	68,452	0	4,570	49,243	0	0	0	14,639
NCI Frederick Cancer R&D Center	107,112	0	0	0	107,112	0	0	0
Oak Ridge National Laboratory	319,357	0	19,286	280,352	867	0	453	18,399
Sandia National Laboratory	883,304	0	176,832	692,976	0	0	0	13,496
Savannah River Laboratory	58,812	0	1,300	57,512	0	0	0	0
FFRDCs administered by universities & colleges	3,666,498	770	544,677	2,204,925	77,780	685,258	118,861	34,227
Ames Laboratory	26,992	0	130	26,862	0	0	0	0
Argonne National Laboratory	273,859	0	7,767	262,351	0	106	0	3,635
Brookhaven National Laboratory	212,759	16	1,644	194,533	4,148	0	529	11,889
Continuous Electron Beam Accelerator Facility	28,780	0	0	28,780	0	0	0	0
Fermi National Accelerator Laboratory	168,117	0	0	167,777	0	280	60	0
Institute for Advanced Technology	13,873	0	13,873	0	0	0	0	0
Jet Propulsion Laboratory	741,535	0	61,831	0	0	679,577	127	0
Lawrence Berkeley Laboratory	169,294	0	10,735	147,022	9,998	1,479	60	0
Lawrence Livermore National Laboratory	705,261	0	118,369	582,607	2,137	1,174	103	871
Lincoln Laboratory	291,842	538	212,894	11,128	53,814	49	0	13,419
Los Alamos National Scientific Lab	637,417	200	94,332	530,564	6,918	1,296	14	4,093
National Astronomy & Ionosphere Center	7,766	0	0	0	0	0	7,766	0
National Ctr for Atmospheric Research	55,897	0	1,158	0	0	1,297	53,442	0
Nat'l Optical Astronomy Observatories	27,545	0	0	0	0	0	27,545	0
National Radio Astronomy Observatory	29,215	0	0	0	0	0	29,215	0
Oak Ridge Inst for Science & Education	16,993	16	107	15,785	765	0	0	320
Princeton Plasma Physics Laboratory	106,097	0	149	105,948	0	0	0	0
Software Engineering Institute	21,688	0	21,688	0	0	0	0	0
Stanford Linear Accelerator Center	131,568	0	0	131,568	0	0	0	0
FFRDCs administered by other nonprofit institutions[1]	753,411	0	492,113	222,325	14,745	2,198	330	21,700
Aerospace Corporation	153,102	0	150,708	201	0	2,065	128	0
Arroyo Center	15,140	0	15,140	0	0	0	0	0
C3I Federal Contract Research Center	188,068	0	187,878	0	0	0	190	0
Center for Advanced Aviation System Development	36,300	0	30,642	0	0	0	0	5,658
Center for Naval Analyses	45,464	0	45,464	0	0	0	0	0
Center for Nuclear Waste Regulatory Analyses	4,983	0	0	0	0	0	0	4,983
Critical Technologies Institute	600	0	600	0	0	0	0	0
Inhalation Toxicology Research Inst	8,052	0	0	7,185	793	0	0	74
Institute for Defense Analyses	48,575	0	48,575	0	0	0	0	0
Logistics Management Institute	3,928	0	3,928	0	0	0	0	0
National Defense Research Institute	8,396	0	2,470	0	5,926	0	0	0
Nat'l Renewable Energy Research Lab	111,304	0	890	110,414	0	0	0	0
Pacific Northwest Laboratories	125,659	0	4,133	104,525	8,026	133	12	8,830
Project Air Force	1,685	0	1,685	0	0	0	0	0
Tax Systems Modernization Institute	2,155	0	0	0	0	0	0	2,155

[1] Other than universities and colleges

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-14. Federal obligations for R&D plant to federally funded research and development centers (FFRDCs), by individual FFRDC and agency: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Federally funded research and development centers	Total	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	National Aeronautics & Space Admin	National Science Foundation	Other
Total, all FFRDCs	809,467	0	678	766,450	0	18,040	24,299	0
FFRDCs administered by industrial firms	124,428	0	373	124,055	0	0	0	0
Idaho National Engineering Laboratory	3,396	0	0	3,396	0	0	0	0
Oak Ridge National Laboratory	24,363	0	0	24,363	0	0	0	0
Sandia National Laboratory	94,225	0	23	94,202	0	0	0	0
Savannah River Laboratory	2,444	0	350	2,094	0	0	0	0
FFRDCs administered by universities & colleges	619,507	0	285	576,883	0	18,040	24,299	0
Ames Laboratory	4,805	0	0	4,805	0	0	0	0
Argonne National Laboratory	126,187	0	0	126,187	0	0	0	0
Brookhaven National Laboratory	110,596	0	0	110,596	0	0	0	0
Continuous Electron Beam Accelerator Facility	41,100	0	0	41,100	0	0	0	0
Fermi National Accelerator Laboratory	58,180	0	0	58,180	0	0	0	0
Jet Propulsion Laboratory	18,040	0	0	0	0	18,040	0	0
Lawrence Berkeley Laboratory	30,853	0	0	30,853	0	0	0	0
Lawrence Livermore National Laboratory	100,244	0	0	100,244	0	0	0	0
Los Alamos National Scientific Lab	71,076	0	285	70,791	0	0	0	0
National Astronomy & Ionosphere Center	3,100	0	0	0	0	0	3,100	0
National Ctr for Atmospheric Research	7,129	0	0	0	0	0	7,129	0
Nat'l Optical Astronomy Observatories	14,070	0	0	0	0	0	14,070	0
Oak Ridge Inst for Science & Education	175	0	0	175	0	0	0	0
Princeton Plasma Physics Laboratory	5,595	0	0	5,595	0	0	0	0
Stanford Linear Accelerator Center	28,357	0	0	28,357	0	0	0	0
FFRDCs administered by other nonprofit institutions[1]	65,532	0	20	65,512	0	0	0	0
Inhalation Toxicology Research Inst	1,188	0	0	1,188	0	0	0	0
Nat'l Renewable Energy Research Lab	14,746	0	0	14,746	0	0	0	0
Pacific Northwest Laboratories	49,598	0	20	49,578	0	0	0	0

[1] Other than universities and colleges

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-15. Federal obligations for research, by agency and performer: fiscal year 1993

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	26,890,497	7,360,063	4,018,918	795,845	9,844,079	2,347,629	2,041,313	173,432	211,830	97,388
Departments:										
Department of Agriculture, total	1,251,725	795,725	7,854	13	429,130	0	12,604	0	2,205	4,194
Agricultural Cooperative Service	2,902	2,605	0	0	297	0	0	0	0	0
Agricultural Marketing Service[2]	4,118	3,915	0	0	203	0	0	0	0	0
Agricultural Research Service	574,341	545,633	0	0	20,561	0	3,822	0	251	4,074
Cooperative State Research Svc	418,642	22,231	7,135	0	380,412	0	7,501	0	1,363	0
Economic Research Service	58,925	57,077	0	0	1,848	0	0	0	0	0
Federal Grain Inspection Service	1,773	1,773	0	0	0	0	0	0	0	0
Forest Service	177,200	150,221	617	0	24,730	0	921	0	591	120
Human Nutrition Information Svc	8,397	7,281	102	0	654	0	360	0	0	0
Nat'l Agricultural Statistics Svc	3,882	3,604	0	13	265	0	0	0	0	0
Office of International Cooperation & Development[3]	1,545	1,385	0	0	160	0	0	0	0	0
Department of Commerce, total	582,075	462,861	59,708	0	51,941	19	501	0	7,037	8
Bureau of the Census	3,303	3,303	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	172,874	141,034	25,296	0	6,016	19	501	0	0	8
National Oceanic & Atmospheric Administration	401,731	314,357	34,412	0	45,925	0	0	0	7,037	0
National Telecommunications & Information Administration	4,167	4,167	0	0	0	0	0	0	0	0
Department of Defense, total	4,783,484	1,650,788	1,762,717	44,277	1,090,116	116,291	78,883	16,072	143	24,197
Department of the Army	1,018,574	622,835	266,545	5,192	96,867	8,500	9,243	2,377	0	7,015
Department of the Navy	996,106	448,798	248,354	1,359	255,250	2,827	28,945	1,488	0	9,085
Department of the Air Force	887,817	304,416	390,466	291	181,221	713	7,034	1,672	143	1,861
Defense agencies, total	1,880,987	274,739	857,352	37,435	556,778	104,251	33,661	10,535	0	6,236
Advanced Rsch Projects Agency	942,366	47,380	529,786	25,636	242,520	60,288	26,395	7,568	0	2,793
Ballistic Missile Defense Organization	125,753	22,260	60,355	400	27,295	11,313	1,000	500	0	2,630
Defense Nuclear Agency	424,124	128,575	242,018	9,880	4,365	31,950	5,836	687	0	813
Special Operations Command	39,603	39,434	169	0	0	0	0	0	0	0
Uniformed Svcs University of the Health Sciences	3,498	3,498	0	0	0	0	0	0	0	0
Washington Headquarters Svcs	345,643	33,592	25,024	1,519	282,598	700	430	1,780	0	0
Department of Education	133,595	7,503	5,479	0	87,911	0	29,048	0	3,654	0
Department of Energy	3,440,214	226,623	169,514	612,753	547,392	1,604,572	148,458	126,441	1,198	3,263
Dept of Health & Human Svcs, total	9,192,613	1,772,933	385,048	92,480	5,328,509	71,705	1,366,146	13,293	118,722	43,777
Administration on Aging[4]	2,676	153	0	0	1,185	0	1,138	0	200	0
Admin for Children & Families[4]	18,548	398	0	0	2,600	0	15,070	0	480	0
Agency for Health Care Policy & Research[5]	105,616	20,762	10,038	0	53,296	0	21,196	0	324	0
Centers for Disease Control	162,511	100,742	5,470	0	42,448	0	12,424	0	1,427	0
Food & Drug Administration	154,500	140,880	0	0	8,043	0	5,577	0	0	0
Health Care Financing Admin	68,179	1,342	16,781	0	6,066	0	31,222	0	12,768	0
Health Resources & Svcs Admin	9,598	2,959	0	0	5,397	0	1,242	0	0	0
National Institutes of Health	8,638,503	1,486,491	347,837	92,480	5,204,405	71,705	1,277,681	13,293	100,834	43,777
Office of the Secretary	8,002	2,144	1,217	0	3,973	0	577	0	91	0
Social Security Administration	24,480	17,062	3,705	0	1,096	0	19	0	2,598	0
Department of Housing & Urban Dvlpmt	8,057	6,898	106	0	402	0	651	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-15. Federal obligations for research, by agency and performer: fiscal year 1993

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Interior, total	580,080	494,571	19,679	1,872	59,188	0	381	0	3,376	1,013
Bureau of Land Management	8,002	4,764	0	0	3,238	0	0	0	0	0
Bureau of Mines	104,968	77,351	13,603	1,706	12,255	0	0	0	53	0
Bureau of Reclamation	7,434	6,500	0	0	750	0	184	0	0	0
Geological Survey	343,870	319,108	3,068	0	18,338	0	58	0	3,298	0
Minerals Management Service	5,776	2,260	1,191	166	1,146	0	0	0	0	1,013
National Park Service	38,145	21,065	1,667	0	15,249	0	139	0	25	0
Office of the Secretary	200	50	150	0	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	497	1	0	0	496	0	0	0	0	0
US Fish & Wildlife Service	71,188	63,472	0	0	7,716	0	0	0	0	0
Department of Justice, total	25,582	2,692	826	0	4,949	0	14,691	0	2,424	0
Bureau of Prisons[6]	2,500	1,960	0	0	40	0	0	0	500	0
Drug Enforcement Administration	15	15	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	22,667	677	826	0	4,909	0	14,331	0	1,924	0
Department of Labor, total	18,957	7,024	6,165	0	4,527	0	668	0	573	0
Bureau of Labor Statistics	6,900	2,500	0	0	4,400	0	0	0	0	0
Employment & Training Admin	3,459	617	1,500	0	127	0	642	0	573	0
Occupational Safety & Health Administration	2,458	1,166	1,292	0	0	0	0	0	0	0
Office of the Secretary	2,850	1,800	1,024	0	0	0	26	0	0	0
Pension Benefit Guaranty Corporation	680	231	449	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,610	710	1,900	0	0	0	0	0	0	0
Department of State	5,285	434	88	0	0	15	4,748	0	0	0
Department of Transportation, total	226,061	60,357	66,210	3,943	35,719	1,300	11,293	0	47,089	150
Coast Guard	8,233	5,579	1,954	0	700	0	0	0	0	0
Federal Aviation Administration	59,807	21,764	27,380	0	10,663	0	0	0	0	0
Federal Highway Administration	91,708	6,663	22,336	3,943	15,107	1,300	4,016	0	38,193	150
Federal Railroad Administration	20,876	8,563	5,597	0	100	0	5,616	0	1,000	0
Federal Transit Administration[7]	10,946	1	0	0	3,049	0	0	0	7,896	0
Maritime Administration	1,741	951	690	0	100	0	0	0	0	0
National Highway Traffic Safety Administration	31,611	16,581	7,369	0	6,000	0	1,661	0	0	0
Office of the Secretary	645	137	508	0	0	0	0	0	0	0
Research & Special Programs Administration	494	118	376	0	0	0	0	0	0	0
Department of the Treasury, total	11,120	8,491	314	0	25	135	0	2,155	0	0
Bureau of Engraving & Printing	3,235	3,100	0	0	0	135	0	0	0	0
Internal Revenue Service	6,497	4,342	0	0	0	0	0	2,155	0	0
Office of Thrift Supervision[8]	738	738	0	0	0	0	0	0	0	0
United States Customs Service	100	75	0	0	25	0	0	0	0	0
United States Secret Service[9]	550	236	314	0	0	0	0	0	0	0
Department of Veterans Affairs	207,418	206,448	0	0	970	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-15. Federal obligations for research, by agency and performer: fiscal year 1993

[Dollars in thousands]

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Other agencies:										
Advisory Commission on Intergovernmental Relations	2,098	2,098	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	359,222	173,628	8,813	0	27,275	0	144,056	0	0	5,450
Appalachian Regional Commission	900	370	0	0	130	0	0	0	400	0
Consumer Product Safety Commission	795	775	20	0	0	0	0	0	0	0
Environmental Protection Agency	361,534	80,962	194,148	0	67,253	0	0	0	19,171	0
Federal Communications Commission	1,625	1,625	0	0	0	0	0	0	0	0
Federal Trade Commission	877	877	0	0	0	0	0	0	0	0
Library of Congress	1,787	1,787	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	3,548,728	1,211,915	1,242,860	0	538,975	415,933	124,020	1,254	2,671	11,100
National Archives & Records Admin	290	290	0	0	0	0	0	0	0	0
National Science Foundation	1,881,869	18,318	74,191	453	1,561,929	118,861	102,327	330	3,167	2,313
Nuclear Regulatory Commission	119,781	23,304	14,235	40,054	4,797	18,798	2,783	13,887	0	1,923
Smithsonian Institution	102,000	102,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	27,935	25,010	0	0	2,925	0	0	0	0	0
US Arms Control & Disarmament Agcy	1,493	479	943	0	16	0	55	0	0	0
United States Information Agency	1,125	1,125	0	0	0	0	0	0	0	0
US International Trade Commission	12,152	12,152	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-16. Estimated Federal obligations for research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	28,033,513	7,645,937	4,189,774	693,742	10,610,073	2,187,043	2,038,811	199,601	376,241	92,291
Departments:										
Department of Agriculture, total	1,307,446	828,065	12,239	15	449,517	0	12,181	0	2,219	3,210
Agricultural Cooperative Service	2,412	2,412	0	0	0	0	0	0	0	0
Agricultural Marketing Service[2]	4,241	4,241	0	0	0	0	0	0	0	0
Agricultural Research Service	598,853	569,982	0	0	21,749	0	3,780	0	248	3,094
Cooperative State Research Svc	441,085	23,050	7,459	0	401,682	0	7,501	0	1,393	0
Economic Research Service	55,205	54,105	0	0	1,100	0	0	0	0	0
Federal Grain Inspection Service	1,791	1,791	0	0	0	0	0	0	0	0
Forest Service	187,300	160,900	605	0	24,201	0	900	0	578	116
Foreign Agricultural Service[3]	1,410	1,058	0	0	352	0	0	0	0	0
Human Nutrition Information Svc	11,653	7,195	4,175	0	283	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,496	3,331	0	15	150	0	0	0	0	0
Department of Commerce, total	807,632	514,066	219,382	0	66,266	19	739	0	7,152	8
Bureau of the Census	3,253	3,253	0	0	0	0	0	0	0	0
Economic Development Admin	500	100	0	0	200	0	200	0	0	0
National Institute of Standards & Technology	291,081	173,373	109,617	0	7,563	19	501	0	0	8
National Oceanic & Atmospheric Administration	508,243	332,785	109,765	0	58,503	0	38	0	7,152	0
National Telecommunications & Information Administration	4,555	4,555	0	0	0	0	0	0	0	0
Department of Defense, total	4,385,433	1,413,565	1,560,973	16,265	1,205,682	71,918	81,598	12,054	138	23,240
Department of the Army	876,579	552,449	215,092	1,629	88,599	4,777	7,282	889	0	5,862
Department of the Navy	853,107	349,721	220,799	980	238,591	3,738	28,859	2,133	0	8,286
Department of the Air Force	870,364	319,671	365,133	283	174,342	674	6,969	510	138	2,644
Defense agencies, total	1,785,383	191,724	759,949	13,373	704,150	62,729	38,488	8,522	0	6,448
Advanced Rsch Projects Agency	963,191	64,248	530,049	7,242	274,012	44,455	34,782	6,237	0	2,166
Ballistic Missile Defense Organization	71,182	11,156	33,441	1,000	16,102	6,440	1,153	350	0	1,540
Defense Info Systems Agency	1,662	1,662	0	0	0	0	0	0	0	0
Defense Nuclear Agency	224,219	48,919	151,902	3,686	4,479	11,834	1,772	385	0	1,242
Special Operations Command	62,141	32,771	29,370	0	0	0	0	0	0	0
Uniformed Svcs University of the Health Sciences	856	856	0	0	0	0	0	0	0	0
Washington Headquarters Svcs	462,132	32,112	15,187	1,445	409,557	0	781	1,550	0	1,500
Department of Education	140,450	8,358	4,730	0	89,803	0	34,389	0	3,170	0
Department of Energy	3,393,061	283,148	240,898	561,835	590,554	1,507,048	52,542	152,802	1,458	2,776
Dept of Health & Human Svcs, total	9,737,709	1,897,549	407,630	74,422	5,660,149	74,196	1,435,177	13,658	128,820	46,108
Administration on Aging[4]	2,474	171	0	0	788	0	1,350	0	165	0
Admin for Children & Families[4]	14,777	390	0	0	1,500	0	12,407	0	480	0
Agency for Health Care Policy & Research[5]	129,899	22,994	12,829	0	67,350	0	26,726	0	0	0
Centers for Disease Control	202,921	137,719	6,160	0	44,570	0	13,045	0	1,427	0
Food & Drug Administration	168,300	152,061	0	0	10,163	0	6,076	0	0	0
Health Care Financing Admin	85,982	889	20,761	0	7,345	0	39,044	0	17,693	250
Health Resources & Svcs Admin	9,106	2,360	0	0	5,469	0	1,277	0	0	0
National Institutes of Health	9,080,009	1,562,465	360,639	74,422	5,519,964	74,196	1,324,252	13,658	104,555	45,858
Office of the Secretary	11,741	3,000	2,741	0	2,000	0	2,000	0	2,000	0
Social Security Administration	32,500	15,500	4,500	0	1,000	0	9,000	0	2,500	0
Department of Housing & Urban Dvlpmt	14,051	9,406	1,275	0	491	0	2,879	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-16. Estimated Federal obligations for research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Interior, total	583,082	511,963	20,871	1,378	44,374	75	552	0	2,879	990
Bureau of Mines	104,503	79,821	15,292	1,288	8,102	0	0	0	0	0
Bureau of Reclamation	7,249	6,384	0	0	360	0	505	0	0	0
Geological Survey	346,685	322,536	2,904	0	18,358	0	45	0	2,842	0
Minerals Management Service	5,021	2,145	1,154	90	605	0	0	0	37	990
National Biological Survey	100,289	89,257	0	0	11,032	0	0	0	0	0
National Park Service	19,335	11,820	1,521	0	5,917	75	2	0	0	0
Department of Justice, total	23,042	3,162	850	0	1,855	0	15,075	0	2,100	0
Bureau of Prisons[6]	2,500	2,000	0	0	0	0	0	0	500	0
Drug Enforcement Administration	72	72	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	20,070	1,050	850	0	1,855	0	14,715	0	1,600	0
Department of Labor, total	21,043	8,042	7,604	0	4,126	0	1,121	0	150	0
Bureau of Labor Statistics	7,100	3,100	0	0	4,000	0	0	0	0	0
Employment & Training Admin	4,002	678	1,978	0	126	0	1,070	0	150	0
Occupational Safety & Health Administration	3,687	1,239	2,448	0	0	0	0	0	0	0
Office of the Secretary	3,093	2,087	955	0	0	0	51	0	0	0
Pension Benefit Guaranty Corporation	531	208	323	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,630	730	1,900	0	0	0	0	0	0	0
Department of State	576	451	80	0	0	15	30	0	0	0
Department of Transportation, total	348,946	58,374	103,697	782	42,782	304	13,004	975	129,028	0
Coast Guard	5,948	4,016	1,332	0	600	0	0	0	0	0
Federal Aviation Administration	75,289	21,794	43,284	0	9,236	0	0	975	0	0
Federal Highway Administration	205,827	9,137	43,554	782	23,846	304	8,061	0	120,143	0
Federal Railroad Administration	20,917	8,571	8,219	0	100	0	4,027	0	0	0
Federal Transit Administration[7]	11,786	1	0	0	2,900	0	0	0	8,885	0
Maritime Administration	1,745	955	690	0	100	0	0	0	0	0
National Highway Traffic Safety Administration	25,315	12,892	5,507	0	6,000	0	916	0	0	0
Office of the Secretary	691	140	551	0	0	0	0	0	0	0
Research & Special Programs Administration	1,428	868	560	0	0	0	0	0	0	0
Department of the Treasury, total	19,977	14,543	520	0	0	167	0	4,747	0	0
Bureau of Engraving & Printing	4,296	4,129	0	0	0	167	0	0	0	0
Internal Revenue Service	14,312	9,565	0	0	0	0	0	4,747	0	0
Office of Thrift Supervision[8]	448	448	0	0	0	0	0	0	0	0
United States Customs Service	350	150	200	0	0	0	0	0	0	0
United States Secret Service[9]	571	251	320	0	0	0	0	0	0	0
Department of Veterans Affairs	224,645	223,600	0	0	1,045	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-16. Estimated Federal obligations for research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations	1,175	1,175	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	276,142	108,644	5,624	0	26,531	0	134,813	0	0	530
Appalachian Regional Commission	900	100	0	0	0	0	0	0	800	0
Consumer Product Safety Commission	192	105	87	0	0	0	0	0	0	0
Environmental Protection Agency	406,593	83,676	147,638	0	83,107	0	0	0	92,172	0
Federal Communications Commission	1,735	1,735	0	0	0	0	0	0	0	0
Federal Trade Commission	884	884	0	0	0	0	0	0	0	0
Library of Congress	2,011	2,011	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,040,112	1,487,652	1,351,929	0	652,487	392,237	141,193	1,200	2,773	10,641
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2,030,878	18,283	93,984	500	1,678,324	122,334	111,250	369	3,382	2,452
Nuclear Regulatory Commission	114,417	22,724	9,038	38,545	7,005	18,730	2,243	13,796	0	2,336
Smithsonian Institution	104,000	104,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	32,545	26,570	0	0	5,975	0	0	0	0	0
US Arms Control & Disarmament Agcy	1,323	573	725	0	0	0	25	0	0	0
United States Information Agency	698	698	0	0	0	0	0	0	0	0
US International Trade Commission	12,695	12,695	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-17. Estimated Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	28,161,167	7,600,221	4,129,225	635,199	10,839,498	2,226,574	2,046,189	219,136	367,503	97,622
Departments:										
Department of Agriculture, total	1,315,002	867,371	14,241	15	420,377	0	7,881	0	2,219	2,898
Agricultural Cooperative Service	3,560	3,560	0	0	0	0	0	0	0	0
Agricultural Marketing Service[2]	4,174	4,174	0	0	0	0	0	0	0	0
Agricultural Research Service	614,689	585,675	0	0	22,204	0	3,780	0	248	2,782
Cooperative State Research Svc	407,273	21,576	8,936	0	372,167	0	3,201	0	1,393	0
Economic Research Service	53,654	52,554	0	0	1,100	0	0	0	0	0
Federal Grain Inspection Service	1,791	1,791	0	0	0	0	0	0	0	0
Forest Service	206,500	180,100	605	0	24,201	0	900	0	578	116
Foreign Agricultural Service[3]	1,422	1,067	0	0	355	0	0	0	0	0
Human Nutrition Information Svc	18,403	13,503	4,700	0	200	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,536	3,371	0	15	150	0	0	0	0	0
Department of Commerce, total	912,348	597,459	219,903	0	86,028	19	3,544	0	5,387	8
Bureau of the Census	3,313	3,313	0	0	0	0	0	0	0	0
Economic Development Admin	500	100	0	0	200	0	200	0	0	0
National Institute of Standards & Technology	438,840	198,075	204,415	0	32,979	19	3,344	0	0	8
National Oceanic & Atmospheric Administration	465,228	391,504	15,488	0	52,849	0	0	0	5,387	0
National Telecommunications & Information Administration	4,467	4,467	0	0	0	0	0	0	0	0
Department of Defense, total	4,262,622	1,344,659	1,594,295	6,165	1,112,616	78,761	94,584	10,840	156	20,546
Department of the Army	811,988	505,779	195,976	619	93,877	3,593	7,235	531	0	4,378
Department of the Navy	948,876	389,568	262,498	1,049	251,510	3,055	30,133	2,224	0	8,839
Department of the Air Force	876,804	307,951	384,999	318	171,865	755	6,848	539	156	3,373
Defense agencies, total	1,624,954	141,361	750,822	4,179	595,364	71,358	50,368	7,546	0	3,956
Advanced Rsch Projects Agency	905,029	31,907	475,244	2,520	293,751	50,532	47,167	3,007	0	901
Ballistic Missile Defense Organization	107,713	17,831	58,487	0	18,173	10,200	372	350	0	2,300
Defense Info Systems Agency	1,870	1,870	0	0	0	0	0	0	0	0
Defense Nuclear Agency	232,061	42,017	173,228	1,659	943	10,626	2,479	354	0	755
Special Operations Command	55,732	31,952	23,780	0	0	0	0	0	0	0
Washington Headquarters Svcs	322,549	15,784	20,083	0	282,497	0	350	3,835	0	0
Department of Education	137,284	8,395	5,648	0	97,309	0	22,831	0	3,101	0
Department of Energy	3,380,999	303,416	291,245	503,296	569,820	1,495,879	42,309	172,311	1,342	1,381
Dept of Health & Human Svcs, total	10,120,942	1,965,257	431,064	86,026	5,896,128	78,018	1,468,966	14,389	132,679	48,415
Administration on Aging[4]	2,700	171	0	0	1,100	0	1,250	0	179	0
Admin for Children & Families[4]	14,583	390	0	0	1,480	0	12,240	0	473	0
Agency for Health Care Policy & Research[5]	99,500	17,910	9,791	0	51,402	0	20,397	0	0	0
Centers for Disease Control	202,921	137,119	6,760	0	44,570	0	13,045	0	1,427	0
Food & Drug Administration	168,600	152,365	0	0	10,166	0	6,069	0	0	0
Health Care Financing Admin	68,620	1,080	26,840	0	6,120	0	18,405	0	16,025	150
Health Resources & Svcs Admin	8,355	2,809	0	0	4,498	0	1,048	0	0	0
National Institutes of Health	9,520,663	1,636,913	379,673	86,026	5,773,792	78,018	1,393,512	14,389	110,075	48,265
Office of the Secretary	13,000	4,000	3,000	0	2,000	0	2,000	0	2,000	0
Social Security Administration	22,000	12,500	5,000	0	1,000	0	1,000	0	2,500	0
Department of Housing & Urban Dvlpmt	14,805	9,836	2,953	0	499	0	1,517	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-17. Estimated Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Interior, total	584,501	522,920	19,465	100	37,718	75	351	0	2,937	935
Bureau of Mines	93,605	73,154	13,951	0	6,500	0	0	0	0	0
Bureau of Reclamation	4,510	3,919	0	0	280	0	311	0	0	0
Geological Survey	348,581	330,722	2,862	0	12,020	0	40	0	2,937	0
Minerals Management Service	5,092	2,221	1,231	100	605	0	0	0	0	935
National Biological Survey	113,578	101,084	0	0	12,494	0	0	0	0	0
National Park Service	19,135	11,820	1,421	0	5,819	75	0	0	0	0
Department of Justice, total	22,383	3,662	900	0	1,855	0	14,266	0	1,700	0
Bureau of Prisons[6]	2,450	1,950	0	0	0	0	0	0	500	0
Drug Enforcement Administration	72	72	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	19,461	1,600	900	0	1,855	0	13,906	0	1,200	0
Department of Labor, total	30,171	9,149	9,739	0	9,446	0	1,612	0	225	0
Bureau of Labor Statistics	13,100	3,779	0	0	9,321	0	0	0	0	0
Employment & Training Admin	5,765	980	2,863	0	125	0	1,572	0	225	0
Occupational Safety & Health Administration	5,350	1,402	3,948	0	0	0	0	0	0	0
Office of the Secretary	3,067	2,069	958	0	0	0	40	0	0	0
Pension Benefit Guaranty Corporation	169	99	70	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,720	820	1,900	0	0	0	0	0	0	0
Department of State	594	469	80	0	0	15	30	0	0	0
Department of Transportation, total	310,327	64,734	90,195	977	38,089	5,325	6,537	1,092	103,378	0
Coast Guard	5,072	3,425	1,147	0	500	0	0	0	0	0
Federal Aviation Administration	72,702	20,191	42,262	0	9,157	0	0	1,092	0	0
Federal Highway Administration	168,784	17,654	32,708	977	19,332	5,325	3,079	0	89,709	0
Federal Railroad Administration	16,725	8,570	5,044	0	100	0	3,011	0	0	0
Federal Transit Administration[7]	16,570	1	0	0	2,900	0	0	0	13,669	0
Maritime Administration	3,627	1,378	2,149	0	100	0	0	0	0	0
National Highway Traffic Safety Administration	24,513	12,538	5,528	0	6,000	0	447	0	0	0
Office of the Secretary	931	144	787	0	0	0	0	0	0	0
Research & Special Programs Administration	1,403	833	570	0	0	0	0	0	0	0
Department of the Treasury, total	20,819	14,130	820	0	0	184	0	5,685	0	0
Bureau of Engraving & Printing	1,955	1,771	0	0	0	184	0	0	0	0
Internal Revenue Service	17,140	11,455	0	0	0	0	0	5,685	0	0
Office of Thrift Supervision[8]	491	491	0	0	0	0	0	0	0	0
United States Customs Service	650	150	500	0	0	0	0	0	0	0
United States Secret Service[9]	583	263	320	0	0	0	0	0	0	0
Department of Veterans Affairs	185,680	184,810	0	0	870	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-17. Estimated Federal obligations for research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Other agencies:										
Advisory Commission on Intergovernmental Relations	1,575	1,575	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	271,350	99,220	7,545	0	24,241	0	138,330	0	0	2,014
Appalachian Regional Commission	900	100	0	0	0	0	0	0	800	0
Environmental Protection Agency	415,265	92,555	150,870	0	64,263	0	0	0	107,577	0
Federal Communications Commission	2,231	2,231	0	0	0	0	0	0	0	0
Federal Trade Commission	934	934	0	0	0	0	0	0	0	0
Library of Congress	2,068	2,068	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	3,682,390	1,313,798	1,168,589	0	652,487	398,921	128,692	1,179	2,585	16,139
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	2,219,039	20,472	111,356	520	1,816,329	149,665	114,128	446	3,417	2,706
Nuclear Regulatory Commission	112,329	23,221	9,563	38,100	5,348	19,712	611	13,194	0	2,580
Smithsonian Institution	106,000	106,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	34,745	28,670	0	0	6,075	0	0	0	0	0
US Arms Control & Disarmament Agcy	1,050	296	754	0	0	0	0	0	0	0
United States Information Agency	183	183	0	0	0	0	0	0	0	0
US International Trade Commission	12,511	12,511	0	0	0	0	0	0	0	0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. in 1990 the Office of Thrift Supervision became part of the Department of the Treasury

[9] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-18. Federal obligations for research, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1993	Estimates	
		1994	1995
Total, all fields	26,890,497	28,033,513	28,161,167
Life sciences, total	10,772,095	11,350,156	11,609,220
Biological (excluding environmental)	4,730,607	4,963,297	5,243,876
Environmental biology	556,492	628,432	613,281
Agricultural	772,221	770,956	773,654
Medical	4,404,435	4,651,046	4,651,959
Life sciences, n.e.c	308,340	336,425	326,450
Psychology, total	550,682	569,435	573,731
Biological aspects	37,200	39,163	37,493
Social aspects	134,739	132,575	121,496
Psychological sciences, n.e.c	378,743	397,697	414,742
Physical sciences, total	4,426,961	4,449,023	4,379,108
Astronomy	686,281	707,224	697,900
Chemistry	843,155	915,889	955,414
Physics	2,638,367	2,476,724	2,455,909
Physical sciences, n.e.c	259,158	349,186	269,885
Environmental sciences, total	2,608,489	2,831,732	2,690,286
Atmospheric	984,118	1,071,127	986,194
Geological	797,865	822,313	823,171
Oceanography	467,350	523,220	489,284
Environmental sciences, n.e.c	359,156	415,072	391,637
Mathematics & computer sciences, total	1,225,416	1,409,960	1,526,033
Mathematics	290,785	322,798	350,266
Computer sciences	826,085	940,403	998,570
Mathematics & computer sciences, n.e.c	108,546	146,759	177,197
Engineering, total	5,499,419	5,700,552	5,629,428
Aeronautical	1,193,030	1,296,318	1,230,515
Astronautical	493,978	482,879	436,691
Chemical	245,526	275,445	277,082
Civil	251,994	374,797	339,553
Electrical	881,462	782,912	823,714
Mechanical	466,868	385,312	420,622
Metallurgy & materials	695,691	805,664	805,581
Engineering, n.e.c.	1,270,870	1,297,225	1,295,670
Social sciences, total	674,889	708,403	698,815
Anthropology	13,739	15,651	16,740
Economics	204,716	213,033	212,735
Political science	29,220	13,169	21,402
Sociology	76,703	74,288	66,920
Social sciences, n.e.c.	350,511	392,262	381,018
Other sciences, n.e.c.	1,132,546	1,014,252	1,054,546

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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Table C-19. Federal obligations for research, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	26,890,497	10,772,095	550,682	4,426,961	2,608,489	1,225,416	5,499,419	674,889	1,132,546
Departments:									
Department of Agriculture, total	1,251,725	948,882	562	89,082	12,394	15,439	59,768	123,003	2,595
Agricultural Cooperative Service	2,902	0	0	0	0	0	0	2,902	0
Agricultural Marketing Service[1]	4,118	4,118	0	0	0	0	0	0	0
Agricultural Research Service	574,341	507,424	33	53,416	3,494	2,486	7,459	29	0
Cooperative State Research Svc	418,642	315,071	0	27,046	3,673	0	22,256	50,596	0
Economic Research Service	58,925	0	0	0	0	0	0	58,925	0
Federal Grain Inspection Service	1,773	1,773	0	0	0	0	0	0	0
Forest Service	177,200	110,554	529	8,620	5,227	9,071	30,053	10,551	2,595
Human Nutrition Information Svc	8,397	8,397	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,882	0	0	0	0	3,882	0	0	0
Office of International Cooperation & Development[2]	1,545	1,545	0	0	0	0	0	0	0
Department of Commerce, total	582,075	93,588	324	82,417	225,323	39,147	94,051	15,205	32,020
Bureau of the Census	3,303	0	324	0	0	2,147	0	760	72
National Institute of Standards & Technology	172,874	1,169	0	66,604	470	22,161	82,167	303	0
National Oceanic & Atmospheric Administration	401,731	92,419	0	15,813	224,853	14,839	7,717	14,142	31,948
National Telecommunications & Information Administration	4,167	0	0	0	0	0	4,167	0	0
Department of Defense, total	4,783,484	373,576	99,614	674,612	263,441	575,430	2,451,480	19,968	325,363
Department of the Army	1,018,574	157,730	30,376	90,021	49,549	103,815	541,440	2,599	43,044
Department of the Navy	996,106	52,426	35,089	233,347	135,810	57,641	465,429	0	16,364
Department of the Air Force	887,817	59,354	30,904	164,708	22,674	69,374	491,459	10,867	38,477
Defense agencies, total	1,880,987	104,066	3,245	186,536	55,408	344,600	953,152	6,502	227,478
Advanced Rsch Projects Agency	942,366	409	0	9,944	26,642	309,944	588,804	0	6,623
Ballistic Missile Defense Organization	125,753	0	0	45,000	4,000	7,060	69,693	0	0
Defense Nuclear Agency	424,124	24,796	0	91,302	10,710	2,089	82,811	0	212,416
Special Operations Command	39,603	1,072	0	0	0	0	38,531	0	0
Uniformed Svcs University of the Health Sciences	3,498	3,498	0	0	0	0	0	0	0
Washington Headquarters Svcs	345,643	74,291	3,245	40,290	14,056	25,507	173,313	6,502	8,439
Department of Education	133,595	14,065	3,236	0	0	1,265	6,027	109,002	0
Department of Energy	3,440,214	246,275	0	1,997,984	304,605	205,837	668,627	500	16,386
Dept of Health & Human Svcs, total	9,192,613	7,842,589	361,942	163,216	0	43,720	98,274	186,128	496,744
Administration on Aging[3]	2,676	0	0	0	0	0	0	2,676	0
Admin for Children & Families[3]	18,548	0	0	0	0	0	0	18,548	0
Agency for Health Care Policy & Research[4]	105,616	37,728	0	0	0	3,820	0	36,859	27,209
Centers for Disease Control	162,511	162,511	0	0	0	0	0	0	0
Food & Drug Administration	154,500	154,500	0	0	0	0	0	0	0
Health Care Financing Admin	68,179	68,179	0	0	0	0	0	0	0
Health Resources & Svcs Admin	9,598	9,598	0	0	0	0	0	0	0
National Institutes of Health	8,638,503	7,410,073	361,942	163,216	0	39,900	98,274	95,563	469,535
Office of the Secretary	8,002	0	0	0	0	0	0	8,002	0
Social Security Administration	24,480	0	0	0	0	0	0	24,480	0
Department of Housing & Urban Dvlpmt	8,057	0	0	0	34	135	389	7,499	0

See explanatory information, if any, and SOURCE at end of table.

Table C-19. Federal obligations for research, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	580,080	99,850	0	30,284	306,859	14,497	117,840	5,885	4,865
Bureau of Land Management	8,002	5,762	0	0	2,205	0	0	35	0
Bureau of Mines	104,968	0	0	0	6,886	0	98,082	0	0
Bureau of Reclamation	7,434	0	0	0	0	0	7,434	0	0
Geological Survey	343,870	1,997	0	29,654	289,974	13,997	7,848	400	0
Minerals Management Service	5,776	0	0	0	1,300	0	4,476	0	0
National Park Service	38,145	20,700	0	630	6,000	500	0	5,450	4,865
Office of the Secretary	200	0	0	0	200	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	497	203	0	0	294	0	0	0	0
US Fish & Wildlife Service	71,188	71,188	0	0	0	0	0	0	0
Department of Justice, total	25,582	1,135	2,970	0	0	600	400	19,072	1,405
Bureau of Prisons[5]	2,500	0	500	0	0	0	0	2,000	0
Drug Enforcement Administration	15	0	0	0	0	0	0	0	15
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	22,667	1,135	2,470	0	0	600	0	17,072	1,390
Department of Labor, total	18,957	0	0	0	0	0	0	18,957	0
Bureau of Labor Statistics	6,900	0	0	0	0	0	0	6,900	0
Employment & Training Admin	3,459	0	0	0	0	0	0	3,459	0
Occupational Safety & Health Administration	2,458	0	0	0	0	0	0	2,458	0
Office of the Secretary	2,850	0	0	0	0	0	0	2,850	0
Pension Benefit Guaranty Corporation	680	0	0	0	0	0	0	680	0
Pension & Welfare Benefit Admin	2,610	0	0	0	0	0	0	2,610	0
Department of State	5,285	0	0	0	0	0	0	5,285	0
Department of Transportation, total	226,061	8,849	35,095	2,439	4,014	30,762	117,884	22,782	4,236
Coast Guard	8,233	0	967	0	982	2,003	4,281	0	0
Federal Aviation Administration	59,807	4,822	25,917	1,186	0	2,368	25,514	0	0
Federal Highway Administration	91,708	134	8,211	0	3,032	19,350	49,249	7,577	4,155
Federal Railroad Administration	20,876	0	0	1,253	0	0	15,448	4,175	0
Federal Transit Administration[6]	10,946	100	0	0	0	25	4,247	6,574	0
Maritime Administration	1,741	0	0	0	0	0	1,741	0	0
National Highway Traffic Safety Administration	31,611	3,793	0	0	0	6,835	16,636	4,347	0
Office of the Secretary	645	0	0	0	0	50	550	45	0
Research & Special Programs Administration	494	0	0	0	0	131	218	64	81
Department of the Treasury, total	11,120	157	393	3,335	0	6,497	0	738	0
Bureau of Engraving & Printing	3,235	0	0	3,235	0	0	0	0	0
Internal Revenue Service	6,497	0	0	0	0	6,497	0	0	0
Office of Thrift Supervision[7]	738	0	0	0	0	0	0	738	0
United States Customs Service	100	0	0	100	0	0	0	0	0
United States Secret Service[8]	550	157	393	0	0	0	0	0	0
Department of Veterans Affairs	207,418	191,641	15,562	0	0	0	215	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-19. Federal obligations for research, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	2,098	0	0	0	0	0	0	2,098	0
Agency for International Dvlpmt	359,222	278,055	0	0	2,474	6,650	1,100	38,405	32,538
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Consumer Product Safety Commission	795	0	0	375	0	0	420	0	0
Environmental Protection Agency	361,534	94,836	0	0	227,478	0	39,213	0	7
Federal Communications Commission	1,625	0	0	0	0	123	1,076	426	0
Federal Trade Commission	877	0	0	0	0	0	0	877	0
Library of Congress	1,787	0	0	0	0	0	0	0	1,787
National Aeronautics & Space Admin	3,548,728	229,962	16,699	878,121	852,885	69,215	1,476,795	331	24,720
National Archives & Records Admin	290	0	0	290	0	0	0	0	0
National Science Foundation	1,881,889	299,739	14,285	469,074	403,539	215,675	242,796	56,791	179,990
Nuclear Regulatory Commission	119,781	0	0	0	0	0	119,781	0	0
Smithsonian Institution	102,000	38,422	0	29,868	4,504	0	0	27,874	1,332
Tennessee Valley Authority	27,935	10,474	0	5,365	939	0	2,158	441	8,558
US Arms Control & Disarmament Agcy	1,493	0	0	499	0	424	0	570	0
United States Information Agency	1,125	0	0	0	0	0	1,125	0	0
US International Trade Commission	12,152	0	0	0	0	0	0	12,152	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] Formerly listed as Federal Prison System.

[6] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[7] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[8] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-20. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	28,033,513	11,350,156	569,435	4,449,023	2,831,732	1,409,960	5,700,552	708,403	1,014,252
Departments:									
Department of Agriculture, total	1,307,446	999,558	592	91,791	12,790	15,662	63,301	121,007	2,745
Agricultural Cooperative Service	2,412	0	0	0	0	0	0	2,412	0
Agricultural Marketing Service[1]	4,241	4,241	0	0	0	0	0	0	0
Agricultural Research Service	598,853	529,842	33	54,658	3,552	2,569	8,170	29	0
Cooperative State Research Svc	441,085	333,781	0	28,027	3,713	0	23,361	52,203	0
Economic Research Service	55,205	0	0	0	0	0	0	55,205	0
Federal Grain Inspection Service	1,791	1,791	0	0	0	0	0	0	0
Forest Service	187,300	116,840	559	9,106	5,525	9,597	31,770	11,158	2,745
Foreign Agricultural Service[2]	1,410	1,410	0	0	0	0	0	0	0
Human Nutrition Information Svc	11,653	11,653	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,496	0	0	0	0	3,496	0	0	0
Department of Commerce, total	807,632	102,838	943	116,644	320,204	72,554	143,163	16,906	34,380
Bureau of the Census	3,253	0	320	0	0	2,113	0	749	71
Economic Development Admin	500	0	0	0	0	0	0	500	0
National Institute of Standards & Technology	291,081	4,420	0	100,133	594	54,575	130,875	484	0
National Oceanic & Atmospheric Administration	508,243	98,418	623	16,511	319,610	15,866	7,733	15,173	34,309
National Telecommunications & Information Administration	4,555	0	0	0	0	0	4,555	0	0
Department of Defense, total	4,385,433	409,969	99,878	628,743	270,300	625,623	2,192,157	12,025	146,738
Department of the Army	876,579	146,172	30,057	107,006	48,490	76,052	461,665	1,060	6,077
Department of the Navy	853,107	47,977	32,438	196,029	132,048	53,991	375,290	0	15,334
Department of the Air Force	870,364	64,796	34,608	167,799	28,762	76,424	458,235	10,703	29,037
Defense agencies, total	1,785,383	151,024	2,775	157,909	61,000	419,156	896,967	262	96,290
Advanced Rsch Projects Agency	963,191	908	0	11,915	26,083	368,085	550,207	0	5,993
Ballistic Missile Defense Organization	71,182	0	0	28,000	3,510	4,118	35,554	0	0
Defense Info Systems Agency	1,662	0	0	0	0	0	0	0	1,662
Defense Nuclear Agency	224,219	5,581	0	61,579	12,167	2,858	55,730	0	86,304
Special Operations Command	62,141	2,761	0	0	0	0	58,180	0	1,200
Uniformed Svcs University of the Health Sciences	856	856	0	0	0	0	0	0	0
Washington Headquarters Svcs	462,132	140,918	2,775	56,415	19,240	44,095	197,296	262	1,131
Department of Education	140,450	14,109	3,221	0	0	1,259	6,005	115,856	0
Department of Energy	3,393,061	276,825	0	1,858,632	364,275	201,932	664,450	941	26,006
Dept of Health & Human Svcs, total	9,737,709	8,302,112	380,439	171,554	0	47,307	103,338	207,910	525,049
Administration on Aging[3]	2,474	0	0	0	0	0	0	2,474	0
Admin for Children & Families[3]	14,777	0	0	0	0	0	0	14,777	0
Agency for Health Care Policy & Research[4]	129,899	47,038	0	0	0	5,345	0	45,969	31,547
Centers for Disease Control	202,921	202,921	0	0	0	0	0	0	0
Food & Drug Administration	168,300	168,300	0	0	0	0	0	0	0
Health Care Financing Admin	85,982	85,982	0	0	0	0	0	0	0
Health Resources & Svcs Admin	9,106	9,106	0	0	0	0	0	0	0
National Institutes of Health	9,080,009	7,788,765	380,439	171,554	0	41,962	103,338	100,449	493,502
Office of the Secretary	11,741	0	0	0	0	0	0	11,741	0
Social Security Administration	32,500	0	0	0	0	0	0	32,500	0
Department of Housing & Urban Dvlpmt	14,051	0	0	0	0	239	397	12,652	763

See explanatory information, if any, and SOURCE at end of table

Table C-20. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	583,082	102,425	0	32,382	306,168	14,721	114,621	12,765	0
Bureau of Mines	104,503	0	0	0	9,206	0	95,297	0	0
Bureau of Reclamation	7,249	0	0	0	0	0	7,249	0	0
Geological Survey	346,685	2,136	0	31,712	289,559	14,521	8,357	400	0
Minerals Management Service	5,021	0	0	0	1,303	0	3,718	0	0
National Biological Survey	100,289	100,289	0	0	0	0	0	0	0
National Park Service	19,335	0	0	670	6,100	200	0	12,365	0
Department of Justice, total	23,042	950	1,350	0	0	800	400	17,618	1,924
Bureau of Prisons[5]	2,500	0	500	0	0	0	0	2,000	0
Drug Enforcement Administration	72	0	0	0	0	0	0	0	72
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	20,070	950	850	0	0	800	0	15,618	1,852
Department of Labor, total	21,043	0	0	0	0	0	0	21,043	0
Bureau of Labor Statistics	7,100	0	0	0	0	0	0	7,100	0
Employment & Training Admin	4,002	0	0	0	0	0	0	4,002	0
Occupational Safety & Health Administration	3,687	0	0	0	0	0	0	3,687	0
Office of the Secretary	3,093	0	0	0	0	0	0	3,093	0
Pension Benefit Guaranty Corporation	531	0	0	0	0	0	0	531	0
Pension & Welfare Benefit Admin	2,630	0	0	0	0	0	0	2,630	0
Department of State	576	0	0	0	0	0	0	576	0
Department of Transportation, total	348,946	8,747	30,474	2,913	4,669	27,488	226,562	33,419	14,674
Coast Guard	5,948	0	694	0	706	1,492	3,056	0	0
Federal Aviation Administration	75,289	4,233	27,868	1,658	0	1,265	40,265	0	0
Federal Highway Administration	205,827	1,170	1,912	0	3,902	19,730	147,151	17,497	14,465
Federal Railroad Administration	20,917	0	0	1,255	0	0	15,479	4,183	0
Federal Transit Administration[6]	11,786	107	0	0	0	26	4,516	7,137	0
Maritime Administration	1,745	0	0	0	0	0	1,745	0	0
National Highway Traffic Safety Administration	25,315	3,237	0	0	0	4,794	12,916	4,368	0
Office of the Secretary	691	0	0	0	61	0	585	45	0
Research & Special Programs Administration	1,428	0	0	0	0	181	849	189	209
Department of the Treasury, total	19,977	160	411	4,209	0	14,448	301	448	0
Bureau of Engraving & Printing	4,296	0	0	3,859	0	136	301	0	0
Internal Revenue Service	14,312	0	0	0	0	14,312	0	0	0
Office of Thrift Supervision[7]	448	0	0	0	0	0	0	448	0
United States Customs Service	350	0	0	350	0	0	0	0	0
United States Secret Service[8]	571	160	411	0	0	0	0	0	0
Department of Veterans Affairs	224,645	207,551	16,861	0	0	0	233	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-20. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies									
Advisory Commission on Intergovernmental Relations	1,175	0	0	0	0	0	0	1,175	0
Agency for International Dvlpmt	276,142	213,794	0	0	130	5,950	800	27,748	27,720
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Consumer Product Safety Commission	192	0	0	140	0	0	52	0	0
Environmental Protection Agency	406,593	102,877	0	0	247,131	0	56,585	0	0
Federal Communications Commission	1,735	0	0	0	0	123	1,092	520	0
Federal Trade Commission	884	0	0	0	0	0	0	884	0
Library of Congress	2,011	0	0	0	0	0	0	0	2,011
National Aeronautics & Space Admin	4,040,112	232,957	19,935	1,010,142	871,025	145,812	1,729,914	401	29,926
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,030,878	321,814	15,331	496,782	429,046	235,611	279,387	61,089	191,818
Nuclear Regulatory Commission	114,417	0	0	0	0	0	114,417	0	0
Smithsonian Institution	104,000	40,912	0	27,815	4,856	0	0	29,042	1,375
Tennessee Valley Authority	32,545	12,479	0	6,631	1,086	0	2,679	547	9,123
US Arms Control & Disarmament Agcy	1,323	79	0	525	52	431	0	236	0
United States Information Agency	698	0	0	0	0	0	698	0	0
US International Trade Commission	12,695	0	0	0	0	0	0	12,695	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] Formerly listed as Federal Prison System.

[6] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[7] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[8] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-21. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	28,161,167	11,609,220	573,731	4,379,108	2,690,286	1,526,033	5,629,428	698,815	1,054,546
Departments:									
Department of Agriculture, total	1,315,002	1,016,274	649	90,460	12,384	16,811	62,174	113,226	3,024
Agricultural Cooperative Service	3,560	0	0	0	0	0	0	3,560	0
Agricultural Marketing Service[1]	4,174	4,174	0	0	0	0	0	0	0
Agricultural Research Service	614,689	542,606	33	56,732	3,739	2,705	8,843	31	0
Cooperative State Research Svc	407,273	319,042	0	23,682	2,556	0	18,308	43,685	0
Economic Research Service	53,654	0	0	0	0	0	0	53,654	0
Federal Grain Inspection Service	1,791	1,791	0	0	0	0	0	0	0
Forest Service	206,500	128,836	616	10,046	6,089	10,570	35,023	12,296	3,024
Foreign Agricultural Service[2]	1,422	1,422	0	0	0	0	0	0	0
Human Nutrition Information Svc	18,403	18,403	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	3,536	0	0	0	0	3,536	0	0	0
Department of Commerce, total	912,348	120,169	325	149,237	252,136	107,567	222,506	19,624	40,784
Bureau of the Census	3,313	0	325	0	0	2,153	0	763	72
Economic Development Admin	500	0	0	0	0	0	0	500	0
National Institute of Standards & Technology	438,840	8,663	0	130,925	1,499	86,719	210,354	680	0
National Oceanic & Atmospheric Administration	465,228	111,506	0	18,312	250,637	18,695	7,685	17,681	40,712
National Telecommunications & Information Administration	4,467	0	0	0	0	0	4,467	0	0
Department of Defense, total	4,262,622	322,510	97,669	613,127	256,327	646,952	2,161,120	13,300	151,617
Department of the Army	811,988	146,494	26,817	83,444	55,913	79,243	418,535	1,151	391
Department of the Navy	948,876	51,379	33,985	218,365	136,269	57,192	430,339	0	21,347
Department of the Air Force	876,804	60,694	32,957	169,092	16,492	77,514	475,600	11,789	32,666
Defense agencies, total	1,624,954	63,943	3,910	142,226	47,653	433,003	836,646	360	97,213
Advanced Rsch Projects Agency	905,029	0	0	9,003	13,402	385,499	494,440	0	2,685
Ballistic Missile Defense Organization	107,713	0	0	36,000	7,000	9,707	55,006	0	0
Defense Info Systems Agency	1,870	0	0	0	0	0	0	0	1,870
Defense Nuclear Agency	232,061	4,205	0	58,267	11,018	2,970	68,081	0	87,520
Special Operations Command	55,732	1,700	0	0	0	0	52,632	0	1,400
Washington Headquarters Svcs	322,549	58,038	3,910	38,956	16,233	34,827	166,487	360	3,738
Department of Education	137,284	14,202	3,235	0	0	1,267	6,025	112,555	0
Department of Energy	3,380,999	269,694	0	1,787,131	400,863	209,530	674,925	1,520	37,336
Dept of Health & Human Svcs, total	10,120,942	8,663,500	395,328	178,427	0	47,581	107,343	191,752	537,011
Administration on Aging[3]	2,700	0	0	0	0	0	0	2,700	0
Admin for Children & Families[3]	14,583	0	0	0	0	0	0	14,583	0
Agency for Health Care Policy & Research[4]	99,500	35,900	0	0	0	4,079	0	35,084	24,437
Centers for Disease Control	202,921	202,921	0	0	0	0	0	0	0
Food & Drug Administration	168,600	168,600	0	0	0	0	0	0	0
Health Care Financing Admin	68,620	68,620	0	0	0	0	0	0	0
Health Resources & Svcs Admin	8,355	8,355	0	0	0	0	0	0	0
National Institutes of Health	9,520,663	8,179,104	395,328	178,427	0	43,502	107,343	104,385	512,574
Office of the Secretary	13,000	0	0	0	0	0	0	13,000	0
Social Security Administration	22,000	0	0	0	0	0	0	22,000	0
Department of Housing & Urban Dvlpmt	14,805	0	0	0	0	378	247	13,424	756

See explanatory information, if any, and SOURCE at end of table.

Table C-21. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	584,501	115,679	0	31,656	309,936	14,408	100,160	12,662	0
Bureau of Mines	93,605	0	0	0	9,943	0	83,662	0	0
Bureau of Reclamation	4,510	0	0	0	0	0	4,510	0	0
Geological Survey	348,581	2,101	0	30,986	292,687	14,208	8,202	397	0
Minerals Management Service	5,092	0	0	0	1,306	0	3,786	0	0
National Biological Survey	113,578	113,578	0	0	0	0	0	0	0
National Park Service	19,135	0	0	670	6,000	200	0	12,265	0
Department of Justice, total	22,383	1,250	950	0	0	0	400	18,711	1,072
Bureau of Prisons[5]	2,450	0	450	0	0	0	0	2,000	0
Drug Enforcement Administration	72	0	0	0	0	0	0	0	72
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	19,461	1,250	500	0	0	0	0	16,711	1,000
Department of Labor, total	30,171	0	0	0	0	0	0	30,171	0
Bureau of Labor Statistics	13,100	0	0	0	0	0	0	13,100	0
Employment & Training Admin	5,765	0	0	0	0	0	0	5,765	0
Occupational Safety & Health Administration	5,350	0	0	0	0	0	0	5,350	0
Office of the Secretary	3,067	0	0	0	0	0	0	3,067	0
Pension Benefit Guaranty Corporation	169	0	0	0	0	0	0	169	0
Pension & Welfare Benefit Admin	2,720	0	0	0	0	0	0	2,720	0
Department of State	594	0	0	0	0	0	0	594	0
Department of Transportation, total	310,327	7,235	29,627	2,727	5,853	24,913	190,527	30,896	18,549
Coast Guard	5,072	0	629	0	638	1,273	2,532	0	0
Federal Aviation Administration	72,702	4,233	27,520	1,319	0	3,892	35,738	0	0
Federal Highway Administration	168,784	486	1,478	0	5,154	15,255	112,917	15,075	18,419
Federal Railroad Administration	16,725	0	0	1,338	0	0	13,213	2,174	0
Federal Transit Administration[6]	16,570	100	0	0	0	25	7,139	9,306	0
Maritime Administration	3,627	0	0	0	0	0	3,627	0	0
National Highway Traffic Safety Administration	24,513	2,416	0	0	0	4,304	13,698	4,095	0
Office of the Secretary	931	0	0	70	61	0	725	75	0
Research & Special Programs Administration	1,403	0	0	0	0	164	938	171	130
Department of the Treasury, total	20,819	160	423	2,170	0	17,340	235	491	0
Bureau of Engraving & Printing	1,955	0	0	1,520	0	200	235	0	0
Internal Revenue Service	17,140	0	0	0	0	17,140	0	0	0
Office of Thrift Supervision[7]	491	0	0	0	0	0	0	491	0
United States Customs Service	650	0	0	650	0	0	0	0	0
United States Secret Service[8]	583	160	423	0	0	0	0	0	0
Department of Veterans Affairs	185,680	171,564	13,421	0	0	0	695	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-21. Estimated Federal obligations for research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,575	0	0	0	0	0	0	1,575	0
Agency for International Dvlpmt	271,350	217,355	0	0	90	3,850	980	24,745	24,330
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	415,265	114,800	0	0	177,708	0	122,757	0	0
Federal Communications Commission	2,231	0	0	0	0	128	1,778	325	0
Federal Trade Commission	934	0	0	0	0	0	0	934	0
Library of Congress	2,068	0	0	0	0	0	0	0	2,068
National Aeronautics & Space Admin	3,682,390	169,805	15,255	944,234	797,902	172,658	1,552,209	401	29,926
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	2,219,039	350,024	16,849	543,926	471,049	262,056	310,034	67,994	197,107
Nuclear Regulatory Commission	112,329	0	0	0	0	0	112,329	0	0
Smithsonian Institution	106,000	41,223	0	28,641	4,903	0	0	29,806	1,427
Tennessee Valley Authority	34,745	13,729	0	6,969	1,135	0	2,801	572	9,539
US Arms Control & Disarmament Agcy	1,050	47	0	283	0	594	0	126	0
United States Information Agency	183	0	0	0	0	0	183	0	0
US International Trade Commission	12,511	0	0	0	0	0	0	12,511	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] Formerly listed as Federal Prison System.

[6] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[7] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[8] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-22. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	550,682	37,200	134,739	378,743	10,772,095	4,730,607	556,492	772,221	4,404,435	308,340
Departments:										
Department of Agriculture, total	562	0	562	0	948,882	144,332	190,491	584,628	29,431	0
Agricultural Marketing Service[1]	0	0	0	0	4,118	0	0	4,118	0	0
Agricultural Research Service	33	0	33	0	507,424	27,580	51,836	415,471	12,537	0
Cooperative State Research Svc	0	0	0	0	315,071	90,211	63,132	151,070	10,658	0
Federal Grain Inspection Service	0	0	0	0	1,773	0	0	1,773	0	0
Forest Service	529	0	529	0	110,554	26,541	75,523	2,254	6,236	0
Human Nutrition Information Svc	0	0	0	0	8,397	0	0	8,397	0	0
Office of International Cooperation & Development[2]	0	0	0	0	1,545	0	0	1,545	0	0
Department of Commerce, total	324	0	324	0	93,588	16,626	58,872	13,308	4,344	438
Bureau of the Census	324	0	324	0	0	0	0	0	0	0
National Institute of Standards & Technology	0	0	0	0	1,169	524	0	0	645	0
National Oceanic & Atmospheric Administration	0	0	0	0	92,419	16,102	58,872	13,308	3,699	438
Department of Defense, total	99,614	15,992	77,594	6,028	373,576	86,507	50,778	170	222,550	13,571
Department of the Army	30,376	815	26,991	2,570	157,730	12,828	2,084	0	140,722	2,096
Department of the Navy	35,089	11,821	20,505	2,763	52,426	22,459	11,847	0	18,120	0
Department of the Air Force	30,904	270	29,939	695	59,354	4,839	29,961	0	14,151	10,403
Defense agencies, total	3,245	3,086	159	0	104,066	46,381	6,886	170	49,557	1,072
Advanced Rsch Projects Agency	0	0	0	0	409	0	0	0	409	0
Defense Nuclear Agency	0	0	0	0	24,796	22,228	0	0	2,568	0
Special Operations Command	0	0	0	0	1,072	0	0	0	0	1,072
Uniformed Svcs University of the Health Sciences	0	0	0	0	3,498	868	0	0	2,630	0
Washington Headquarters Svcs	3,245	3,086	159	0	74,291	23,285	6,886	170	43,950	0
Department of Education	3,236	0	2,265	971	14,065	0	0	0	4,819	9,246
Department of Energy	0	0	0	0	246,275	180,678	2,003	398	48,915	14,281
Dept of Health & Human Svcs, total	361,942	0	0	361,942	7,842,589	3,886,214	9,606	59,300	3,677,548	209,921
Agency for Health Care Policy & Research[3]	0	0	0	0	37,728	0	0	0	32,535	5,193
Centers for Disease Control	0	0	0	0	162,511	0	0	0	162,511	0
Food & Drug Administration	0	0	0	0	154,500	76,000	0	59,300	0	19,200
Health Care Financing Admin	0	0	0	0	68,179	0	0	0	0	68,179
Health Resources & Svcs Admin	0	0	0	0	9,598	0	0	0	9,598	0
National Institutes of Health	361,942	0	0	361,942	7,410,073	3,810,214	9,606	0	3,472,904	117,349

See explanatory information, if any, and SOURCE at end of table.

Table C-22. Federal obligations for research in psychology and life sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Department of the Interior, total	0	0	0	0	99,850	47,303	47,969	4,378	0	200
Bureau of Land Management	0	0	0	0	5,762	403	1,146	4,213	0	0
Geological Survey	0	0	0	0	1,997	816	1,016	165	0	0
National Park Service	0	0	0	0	20,700	1,300	19,200	0	0	200
Office of Surface Mining Reclamation & Enforcement	0	0	0	0	203	0	203	0	0	0
US Fish & Wildlife Service	0	0	0	0	71,188	44,784	26,404	0	0	0
Department of Justice, total	2,970	400	1,600	970	1,135	685	450	0	0	0
Bureau of Prisons[4]	500	0	300	200	0	0	0	0	0	0
Office of Justice Programs	2,470	400	1,300	770	1,135	685	450	0	0	0
Department of Transportation, total	35,095	0	35,095	0	8,849	3,340	134	0	4,822	553
Coast Guard	967	0	967	0	0	0	0	0	0	0
Federal Aviation Administration	25,917	0	25,917	0	4,822	0	0	0	4,822	0
Federal Highway Administration	8,211	0	8,211	0	134	0	134	0	0	0
Federal Transit Administration[5]	0	0	0	0	100	0	0	0	0	100
National Highway Traffic Safety Administration	0	0	0	0	3,793	3,340	0	0	0	453
Department of the Treasury, total	393	0	0	393	157	0	0	0	157	0
United States Secret Service[6]	393	0	0	393	157	0	0	0	157	0
Department of Veterans Affairs	15,562	15,515	47	0	191,641	31,929	0	0	159,712	0
Other agencies										
Agency for International Dvlpmt	0	0	0	0	278,055	0	11,119	99,045	130,996	36,895
Environmental Protection Agency	0	0	0	0	94,836	0	77,705	0	17,131	0
National Aeronautics & Space Admin	16,699	62	12,862	3,775	229,962	102,055	8,718	520	104,010	14,659
National Science Foundation	14,285	5,231	4,390	4,664	299,739	214,383	76,780	0	0	8,576
Smithsonian Institution	0	0	0	0	38,422	16,555	21,867	0	0	0
Tennessee Valley Authority	0	0	0	0	10,474	0	0	10,474	0	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

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[5] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

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NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-23. Federal obligations for research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	4,426,961	686,281	843,155	2,638,367	259,158	2,608,489	984,118	797,865	467,350	359,156
Departments:										
Department of Agriculture, total	89,082	40	85,205	3,837	0	12,394	11,045	1,349	0	0
Agricultural Research Service	53,416	0	51,061	2,355	0	3,494	3,179	315	0	0
Cooperative State Research Svc	27,046	40	27,006	0	0	3,673	3,673	0	0	0
Forest Service	8,620	0	7,138	1,482	0	5,227	4,193	1,034	0	0
Department of Commerce, total	82,417	331	30,977	51,018	91	225,323	68,679	6,002	147,560	3,082
National Institute of Standards & Technology	66,604	331	22,582	43,600	91	470	0	470	0	0
National Oceanic & Atmospheric Administration	15,813	0	8,395	7,418	0	224,853	68,679	5,532	147,560	3,082
Department of Defense, total	674,612	15,097	139,844	477,494	42,177	263,441	59,283	84,402	86,686	33,070
Department of the Army	90,021	0	37,849	36,220	15,952	49,549	14,707	4,027	621	30,194
Department of the Navy	233,347	5,471	42,250	182,319	3,307	135,810	19,094	39,372	77,344	0
Department of the Air Force	164,708	8,679	30,315	124,855	859	22,674	11,665	11,009	0	0
Defense agencies, total	186,536	947	29,430	134,100	22,059	55,408	13,817	29,994	8,721	2,876
Advanced Rsch Projects Agency	9,944	0	541	9,106	297	26,642	0	26,518	0	124
Ballistic Missile Defense Organization	45,000	0	12,000	33,000	0	4,000	4,000	0	0	0
Defense Nuclear Agency	91,302	0	0	69,540	21,762	10,710	7,958	0	0	2,752
Washington Headquarters Svcs	40,290	947	16,889	22,454	0	14,056	1,859	3,476	8,721	0
Department of Energy	1,997,984	12,566	246,344	1,634,384	104,690	304,605	92,565	116,720	7,539	87,781
Dept of Health & Human Svcs, total	163,216	0	142,818	20,398	0	0	0	0	0	0
National Institutes of Health	163,216	0	142,818	20,398	0	0	0	0	0	0
Department of Housing & Urban Dvlpmt	0	0	0	0	0	34	0	0	0	34
Department of the Interior, total	30,284	0	26,204	4,080	0	306,859	3,875	261,777	38,421	2,786
Bureau of Land Management	0	0	0	0	0	2,205	150	813	0	1,242
Bureau of Mines	0	0	0	0	0	6,886	0	6,542	0	344
Geological Survey	29,654	0	25,574	4,080	0	289,974	925	251,928	37,121	0
Minerals Management Service	0	0	0	0	0	1,300	0	0	1,300	0
National Park Service	630	0	630	0	0	6,000	2,800	2,200	0	1,000
Office of the Secretary	0	0	0	0	0	200	0	0	0	200
Office of Surface Mining Reclamation & Enforcement	0	0	0	0	0	294	0	294	0	0
Department of Transportation, total	2,439	0	0	2,439	0	4,014	3,032	0	982	0
Coast Guard	0	0	0	0	0	982	0	0	982	0
Federal Aviation Administration	1,186	0	0	1,186	0	0	0	0	0	0
Federal Highway Administration	0	0	0	0	0	3,032	3,032	0	0	0
Federal Railroad Administration	1,253	0	0	1,253	0	0	0	0	0	0
Department of the Treasury, total	3,335	0	240	266	2,829	0	0	0	0	0
Bureau of Engraving & Printing	3,235	0	240	166	2,829	0	0	0	0	0
United States Customs Service	100	0	0	100	0	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	0	0	0	0	0	2,474	0	0	0	2,474
Consumer Product Safety Commission	375	0	375	0	0	0	0	0	0	0
Environmental Protection Agency	0	0	0	0	0	227,478	101,446	14,021	463	111,548
National Aeronautics & Space Admin	878,121	520,184	43,390	280,966	33,581	852,885	514,374	172,459	107,471	58,581
National Archives & Records Admin	290	0	80	210	0	0	0	0	0	0
National Science Foundation	469,074	109,711	121,502	162,242	75,619	403,539	128,820	136,987	77,932	59,800
Smithsonian Institution	29,868	28,352	483	1,033	0	4,504	60	4,148	296	0
Tennessee Valley Authority	5,365	0	5,365	0	0	939	939	0	0	0
US Arms Control & Disarmament Agcy	499	0	328	0	171	0	0	0	0	0

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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Table C-24. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1993

[Dollars in thousands]

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	5,499,419	1,193,030	493,978	245,526	251,994	881,462	466,868	695,691	1,270,870
Departments:									
Department of Agriculture, total	59,768	0	0	5,743	5,331	686	3,518	0	44,490
Agricultural Research Service	7,459	0	0	3,172	1,893	635	502	0	1,257
Cooperative State Research Svc	22,256	0	0	0	0	0	0	0	22,256
Forest Service	30,053	0	0	2,571	3,438	51	3,016	0	20,977
Department of Commerce, total	94,051	0	0	7,231	5,959	23,994	4,844	23,431	28,592
National Institute of Standards & Technology	82,167	0	0	7,231	5,959	17,867	4,844	23,431	22,835
National Oceanic & Atmospheric Administration	7,717	0	0	0	0	1,960	0	0	5,757
National Telecommunications & Information Administration	4,167	0	0	0	0	4,167	0	0	0
Department of Defense, total	2,451,480	217,963	105,029	69,837	99,273	723,353	352,023	510,047	373,955
Department of the Army	541,440	58,784	524	20,954	49,127	197,835	151,223	38,759	24,234
Department of the Navy	465,429	8,449	52,989	8,449	15,680	165,282	103,469	97,924	13,187
Department of the Air Force	491,459	144,701	37,793	7,528	0	106,703	41,557	102,583	50,594
Defense agencies, total	953,152	6,029	13,723	32,906	34,466	253,533	55,774	270,781	285,940
Advanced Rsch Projects Agency	588,804	0	0	14,857	0	129,376	808	229,304	214,459
Ballistic Missile Defense Organization	69,693	400	6,000	9,000	0	39,131	12,000	3,162	0
Defense Nuclear Agency	82,811	0	5,351	2,909	11,727	26,655	15,167	0	21,002
Special Operations Command	38,531	0	0	0	0	0	0	0	38,531
Washington Headquarters Svcs	173,313	5,629	2,372	6,140	22,739	58,371	27,799	38,315	11,948
Department of Education	6,027	0	0	0	0	0	0	0	6,027
Department of Energy	668,627	0	0	103,630	32,288	43,083	39,997	66,956	382,673
Dept of Health & Human Svcs, total	98,274	0	0	0	0	0	0	0	98,274
National Institutes of Health	98,274	0	0	0	0	0	0	0	98,274
Department of Housing & Urban Dvlpmt	389	0	0	0	0	0	0	0	389
Department of the Interior, total	117,840	0	0	8,776	9,809	195	200	24,490	74,370
Bureau of Mines	98,082	0	0	0	0	0	0	24,255	73,827
Bureau of Reclamation	7,434	0	0	0	7,359	75	0	0	0
Geological Survey	7,848	0	0	6,528	1,000	120	200	0	0
Minerals Management Service	4,476	0	0	2,248	1,450	0	0	235	543

See explanatory information, if any, and SOURCE at end of table.

Table C-24. Federal obligations for research in engineering, by agency and detailed field of engineering: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Department of Justice, total	400	0	0	0	0	200	200	0	0
Immigration & Naturalization Svc	400	0	0	0	0	200	200	0	0
Department of Transportation, total	117,884	250	0	4,319	69,304	6,822	15,692	7,720	13,777
Coast Guard	4,281	0	0	0	668	1,919	935	759	0
Federal Aviation Administration	25,514	0	0	0	25,514	0	0	0	0
Federal Highway Administration	49,249	0	0	3,901	35,292	2,712	800	6,544	0
Federal Railroad Administration	15,448	0	0	418	6,054	2,088	5,845	417	626
Federal Transit Administration[1]	4,247	0	0	0	35	0	0	0	4,212
Maritime Administration	1,741	0	0	0	1,741	0	0	0	0
National Highway Traffic Safety Administration	16,636	0	0	0	0	3	8,112	0	8,521
Office of the Secretary	550	250	0	0	0	0	0	0	300
Research & Special Programs Administration	218	0	0	0	0	100	0	0	118
Department of Veterans Affairs	215	0	0	0	0	0	0	0	215
Other agencies:									
Agency for International Dvlpmt	1,100	0	0	0	1,100	0	0	0	0
Consumer Product Safety Commission	420	0	0	0	0	0	0	0	420
Environmental Protection Agency	39,213	0	0	2,458	0	0	0	0	36,755
Federal Communications Commission	1,076	0	0	0	0	1,076	0	0	0
National Aeronautics & Space Admin	1,476,795	971,502	388,949	2,646	180	20,951	15,649	41,705	35,213
National Science Foundation	242,796	3,315	0	38,728	28,750	59,977	34,745	21,342	55,939
Nuclear Regulatory Commission	119,781	0	0	0	0	0	0	0	119,781
Tennessee Valley Authority	2,158	0	0	2,158	0	0	0	0	0
United States Information Agency	1,125	0	0	0	0	1,125	0	0	0

[1] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-25. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	1,225,416	290,785	826,085	108,546	674,889	13,739	204,716	29,220	76,703	350,511
Departments:										
Department of Agriculture, total	15,439	13,135	2,304	0	123,003	25	113,546	0	9,432	0
Agricultural Cooperative Service	0	0	0	0	2,902	0	2,902	0	0	0
Agricultural Research Service	2,486	182	2,304	0	29	0	29	0	0	0
Cooperative State Research Svc	0	0	0	0	50,596	0	43,135	0	7,461	0
Economic Research Service	0	0	0	0	58,925	0	57,687	0	1,238	0
Forest Service	9,071	9,071	0	0	10,551	25	9,793	0	733	0
Nat'l Agricultural Statistics Svc	3,882	3,882	0	0	0	0	0	0	0	0
Department of Commerce, total	39,147	12,217	23,307	3,623	15,205	0	4,165	6,325	4,473	242
Bureau of the Census	2,147	1,901	246	0	760	0	415	345	0	0
National Institute of Standards & Technology	22,161	3,590	14,948	3,623	303	0	303	0	0	0
National Oceanic & Atmospheric Administration	14,839	6,726	8,113	0	14,142	0	3,447	5,980	4,473	242
Department of Defense, total	575,430	80,967	473,026	21,437	19,968	303	739	0	492	18,434
Department of the Army	103,815	16,992	74,297	12,526	2,599	0	739	0	492	1,368
Department of the Navy	57,641	20,078	36,573	990	0	0	0	0	0	0
Department of the Air Force	69,374	28,882	40,492	0	10,867	303	0	0	0	10,564
Defense agencies, total	344,600	15,015	321,664	7,921	6,502	0	0	0	0	6,502
Advanced Rsch Projects Agency	309,944	3,052	298,988	7,904	0	0	0	0	0	0
Ballistic Missile Defense Organization	7,060	3,048	3,995	17	0	0	0	0	0	0
Defense Nuclear Agency	2,089	0	2,089	0	0	0	0	0	0	0
Washington Headquarters Svcs	25,507	8,915	16,592	0	6,502	0	0	0	0	6,502
Department of Education	1,265	0	1,265	0	109,002	0	0	0	1,847	107,155
Department of Energy	205,837	68,983	103,384	33,470	500	370	130	0	0	0
Dept of Health & Human Svcs, total	43,720	22,378	21,175	167	186,128	0	1,652	40	34,024	150,412
Administration on Aging[1]	0	0	0	0	2,676	0	0	0	0	2,676
Admin for Children & Families[1]	0	0	0	0	18,548	0	0	0	0	18,548
Agency for Health Care Policy & Research[2]	3,820	456	3,197	167	36,859	0	1,652	40	31,467	3,700
National Institutes of Health	39,900	21,922	17,978	0	95,563	0	0	0	2,557	93,006
Office of the Secretary	0	0	0	0	8,002	0	0	0	0	8,002
Social Security Administration	0	0	0	0	24,480	0	0	0	0	24,480
Department of Housing & Urban Dvlpmt	135	0	135	0	7,499	0	7,194	0	0	305
Department of the Interior, total	14,497	3,665	10,832	0	5,885	2,485	0	0	2,000	1,400
Bureau of Land Management	0	0	0	0	35	35	0	0	0	0
Geological Survey	13,997	3,165	10,832	0	400	0	0	0	0	400
National Park Service	500	500	0	0	5,450	2,450	0	0	2,000	1,000

See explanatory information, if any, and SOURCE at end of table.

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Table C-25. Federal obligations for research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Department of Justice, total	600	300	300	0	19,072	350	700	1,000	7,480	9,542
Bureau of Prisons[3]	0	0	0	0	2,000	100	100	0	1,100	700
Office of Justice Programs	600	300	300	0	17,072	250	600	1,000	6,380	8,842
Department of Labor, total	0	0	0	0	18,957	0	18,957	0	0	0
Bureau of Labor Statistics	0	0	0	0	6,900	0	6,900	0	0	0
Employment & Training Admin	0	0	0	0	3,459	0	3,459	0	0	0
Occupational Safety & Health Administration	0	0	0	0	2,458	0	2,458	0	0	0
Office of the Secretary	0	0	0	0	2,850	0	2,850	0	0	0
Pension Benefit Guaranty Corporation	0	0	0	0	680	0	680	0	0	0
Pension & Welfare Benefit Admin	0	0	0	0	2,610	0	2,610	0	0	0
Department of State	0	0	0	0	5,285	383	1,277	2,199	772	654
Department of Transportation, total	30,762	1,831	26,147	2,784	22,782	0	6,559	897	9,469	5,857
Coast Guard	2,003	0	2,003	0	0	0	0	0	0	0
Federal Aviation Administration	2,368	0	2,368	0	0	0	0	0	0	0
Federal Highway Administration	19,350	1,831	17,519	0	7,577	0	1,883	572	5,122	0
Federal Railroad Administration	0	0	0	0	4,175	0	4,175	0	0	0
Federal Transit Administration[4]	25	0	25	0	6,574	0	417	300	0	5,857
National Highway Traffic Safety Administration	6,835	0	4,101	2,734	4,347	0	0	0	4,347	0
Office of the Secretary	50	0	0	50	45	0	20	25	0	0
Research & Special Programs Administration	131	0	131	0	64	0	64	0	0	0
Department of the Treasury, total	6,497	0	6,497	0	738	0	738	0	0	0
Internal Revenue Service	6,497	0	6,497	0	0	0	0	0	0	0
Office of Thrift Supervision[5]	0	0	0	0	738	0	738	0	0	0
Other agencies:										
Advisory Commission on Intergovernmental Relations	0	0	0	0	2,098	0	1,049	1,049	0	0
Agency for International Dvlpmt	6,650	0	6,650	0	38,405	0	16,381	12,654	0	9,370
Appalachian Regional Commission	0	0	0	0	900	0	0	0	0	900
Federal Communications Commission	123	0	123	0	426	0	426	0	0	0
Federal Trade Commission	0	0	0	0	877	0	877	0	0	0
National Aeronautics & Space Admin	69,215	3,978	23,874	41,363	331	0	0	0	212	119
National Science Foundation	215,675	82,965	127,008	5,702	56,791	7,069	17,628	4,591	6,117	21,386
Smithsonian Institution	0	0	0	0	27,874	2,754	0	0	385	24,735
Tennessee Valley Authority	0	0	0	0	441	0	441	0	0	0
US Arms Control & Disarmament Agcy	424	366	58	0	570	0	105	465	0	0
US International Trade Commission	0	0	0	0	12,152	0	12,152	0	0	0

[1] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[2] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[3] Formerly listed as Federal Prison System.

[4] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[5] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-26. Federal obligations for basic research, by agency and performer: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	13,399,121	2,605,112	959,235	237,288	6,798,547	1,437,849	1,164,896	71,257	71,687	53,250
Departments:										
Department of Agriculture, total	615,941	407,099	3,705	0	196,979	0	4,593	0	1,099	2,466
Agricultural Research Service	341,048	323,885	0	0	12,292	0	2,285	0	150	2,436
Cooperative State Research Svc	192,451	10,266	3,455	0	175,906	0	2,146	0	678	0
Economic Research Service	10,606	10,273	0	0	333	0	0	0	0	0
Forest Service	69,400	60,279	250	0	8,408	0	162	0	271	30
Nat'l Agricultural Statistics Svc	1,277	1,277	0	0	0	0	0	0	0	0
Office of International Cooperation & Development[2]	1,159	1,119	0	0	40	0	0	0	0	0
Department of Commerce, total	37,201	33,713	295	0	3,057	16	120	0	0	0
Bureau of the Census	355	355	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	36,506	33,018	295	0	3,057	16	120	0	0	0
National Oceanic & Atmospheric Administration	340	340	0	0	0	0	0	0	0	0
Department of Defense, total	1,268,238	324,711	109,887	758	763,675	14,875	38,161	3,944	0	12,227
Department of the Army	215,739	126,459	17,509	0	60,407	4,692	3,165	0	0	3,507
Department of the Navy	422,000	138,554	28,784	324	216,727	1,897	28,425	150	0	7,139
Department of the Air Force	218,737	48,092	26,475	0	138,217	96	3,194	1,275	0	1,388
Defense agencies, total	411,762	11,606	37,119	434	348,324	8,190	3,377	2,519	0	193
Advanced Rsch Projects Agency	122,423	4,665	37,119	434	66,076	8,190	3,227	2,519	0	193
Uniformed Svcs University of the Health Sciences	3,498	3,498	0	0	0	0	0	0	0	0
Washington Headquarters Svcs	285,841	3,443	0	0	282,248	0	150	0	0	0
Department of Education	5,323	203	0	0	4,323	0	797	0	0	0
Department of Energy	1,754,831	59,668	20,715	178,423	371,448	943,924	121,448	56,663	178	2,364
Dept of Health & Human Svcs, total	5,696,697	919,603	207,107	57,239	3,541,024	52,212	825,286	6,989	59,902	27,335
Health Resources & Svcs Admin	1,107	1,107	0	0	0	0	0	0	0	0
National Institutes of Health	5,695,590	918,496	207,107	57,239	3,541,024	52,212	825,286	6,989	59,902	27,335
Department of the Interior, total	230,259	196,863	5,572	460	25,324	0	35	0	2,005	0
Bureau of Land Management	637	50	0	0	587	0	0	0	0	0
Bureau of Mines	44,598	27,105	4,752	460	12,255	0	0	0	26	0
Geological Survey	178,016	166,069	820	0	9,113	0	35	0	1,979	0
National Park Service	630	400	0	0	230	0	0	0	0	0
US Fish & Wildlife Service	6,378	3,239	0	0	3,139	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-26. Federal obligations for basic research, by agency and performer: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Justice, total	5,045	652	190	0	1,796	0	2,194	0	213	0
Office of Justice Programs	5,045	652	190	0	1,796	0	2,194	0	213	0
Department of Labor, total	5,550	1,023	0	0	4,527	0	0	0	0	0
Bureau of Labor Statistics	5,400	1,000	0	0	4,400	0	0	0	0	0
Employment & Training Admin	150	23	0	0	127	0	0	0	0	0
Department of State	4,793	85	0	0	0	0	4,708	0	0	0
Department of Transportation, total	1,656	1	0	0	1,655	0	0	0	0	0
Federal Highway Administration	1,656	1	0	0	1,655	0	0	0	0	0
Department of the Treasury, total	6,497	4,342	0	0	0	0	0	2,155	0	0
Internal Revenue Service	6,497	4,342	0	0	0	0	0	2,155	0	0
Department of Veterans Affairs	13,339	13,339	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Dvlpmt	8,376	512	500	0	34	0	7,330	0	0	0
Environmental Protection Agency	89,149	19,963	47,876	0	16,583	0	0	0	4,727	0
Library of Congress	349	349	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,800,087	493,224	505,806	0	420,977	308,077	62,909	1,176	1,361	6,557
National Archives & Records Admin	150	150	0	0	0	0	0	0	0	0
National Science Foundation	1,743,770	17,742	57,582	408	1,447,145	118,745	97,315	330	2,202	2,301
Smithsonian Institution	102,000	102,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	9,870	9,870	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-27. Estimated Federal obligations for basic research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	14,043,351	2,740,829	1,014,981	234,578	7,323,777	1,411,724	1,095,365	77,836	91,671	52,590
Departments										
Department of Agriculture, total	644,650	423,752	3,882	0	209,502	0	4,547	0	1,102	1,865
Agricultural Research Service	354,023	336,891	0	0	12,906	0	2,243	0	147	1,836
Cooperative State Research Svc	205,282	10,726	3,636	0	188,083	0	2,146	0	691	0
Economic Research Service	9,937	9,739	0	0	198	0	0	0	0	0
Forest Service	73,200	64,276	246	0	8,227	0	158	0	264	29
Foreign Agricultural Service[2]	1,058	970	0	0	88	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,150	1,150	0	0	0	0	0	0	0	0
Department of Commerce, total	40,798	37,139	427	0	3,096	16	120	0	0	0
Bureau of the Census	349	349	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	39,981	36,322	427	0	3,096	16	120	0	0	0
National Oceanic & Atmospheric Administration	468	468	0	0	0	0	0	0	0	0
Department of Defense, total	1,341,405	320,924	105,429	194	859,460	6,453	35,950	971	0	12,024
Department of the Army	214,802	128,936	18,117	0	62,141	659	2,217	0	0	2,732
Department of the Navy	411,238	137,707	28,073	194	207,168	2,837	28,211	150	0	6,898
Department of the Air Force	208,397	46,339	24,839	0	132,180	74	2,837	0	0	2,128
Defense agencies, total	506,968	7,942	34,400	0	457,971	2,883	2,685	821	0	266
Advanced Rsch Projects Agency	86,938	2,796	29,233	0	48,414	2,883	2,525	821	0	266
Uniformed Svcs University of the Health Sciences	856	856	0	0	0	0	0	0	0	0
Washington Headquarters Svcs	419,174	4,290	5,167	0	409,557	0	160	0	0	0
Department of Education	7,576	480	0	0	4,504	0	2,592	0	0	0
Department of Energy	1,692,940	62,058	36,012	190,579	377,870	945,886	14,984	63,553	227	1,771
Dept of Health & Human Svcs, total	5,987,043	966,168	214,012	43,008	3,759,267	53,893	852,931	7,126	61,910	28,728
Health Resources & Svcs Admin	816	803	0	0	13	0	0	0	0	0
National Institutes of Health	5,986,227	965,365	214,012	43,008	3,759,254	53,893	852,931	7,126	61,910	28,728
Department of the Interior, total	222,418	194,239	6,539	347	19,486	75	27	0	1,705	0
Bureau of Mines	42,305	28,104	5,752	347	8,102	0	0	0	0	0
Geological Survey	169,414	157,722	787	0	9,173	0	27	0	1,705	0
National Biological Survey	10,029	8,023	0	0	2,006	0	0	0	0	0
National Park Service	670	390	0	0	205	75	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-27. Estimated Federal obligations for basic research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Justice, total	5,215	800	250	0	1,200	0	2,665	0	300	0
Office of Justice Programs	5,215	800	250	0	1,200	0	2,665	0	300	0
Department of Labor, total	5,764	1,638	0	0	4,126	0	0	0	0	0
Bureau of Labor Statistics	5,600	1,600	0	0	4,000	0	0	0	0	0
Employment & Training Admin	150	24	0	0	126	0	0	0	0	0
Pension Benefit Guaranty Corporation	14	14	0	0	0	0	0	0	0	0
Department of State	88	88	0	0	0	0	0	0	0	0
Department of Transportation, total	4,195	1	0	0	4,194	0	0	0	0	0
Federal Highway Administration	4,195	1	0	0	4,194	0	0	0	0	0
Department of the Treasury, total	14,378	9,631	0	0	0	0	0	4,747	0	0
Bureau of Engraving & Printing	66	66	0	0	0	0	0	0	0	0
Internal Revenue Service	14,312	9,565	0	0	0	0	0	4,747	0	0
Department of Veterans Affairs	14,328	14,328	0	0	0	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	5,967	231	0	0	16	0	5,720	0	0	0
Environmental Protection Agency	100,256	20,632	36,405	0	20,492	0	0	0	22,727	0
Library of Congress	446	446	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,966,017	556,383	539,910	0	509,638	283,190	68,708	1,070	1,355	5,763
National Science Foundation	1,875,277	17,301	72,115	450	1,550,926	122,211	107,121	369	2,345	2,439
Smithsonian Institution	104,000	104,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	10,590	10,590	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-28. Estimated Federal obligations for basic research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	14,201,008	2,719,762	963,949	212,754	7,496,661	1,422,154	1,129,713	88,391	114,237	53,387
Departments:										
Department of Agriculture, total	661,115	440,363	4,867	0	208,556	0	4,547	0	1,102	1,680
Agricultural Research Service	363,385	346,168	0	0	13,176	0	2,243	0	147	1,651
Cooperative State Research Svc	204,942	10,619	4,621	0	186,865	0	2,146	0	691	0
Economic Research Service	9,658	9,460	0	0	198	0	0	0	0	0
Forest Service	80,900	71,975	246	0	8,228	0	158	0	264	29
Foreign Agricultural Service [2]	1,067	978	0	0	89	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,163	1,163	0	0	0	0	0	0	0	0
Department of Commerce, total	52,019	43,079	893	0	7,588	16	443	0	0	0
Bureau of the Census	355	355	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	51,289	42,349	893	0	7,588	16	443	0	0	0
National Oceanic & Atmospheric Administration	375	375	0	0	0	0	0	0	0	0
Department of Defense, total	1,244,138	315,416	132,387	170	739,268	4,565	38,908	200	0	13,224
Department of the Army	219,291	128,094	19,413	0	66,641	633	1,777	0	0	2,733
Department of the Navy	434,075	140,457	38,167	170	216,513	2,072	29,409	0	0	7,287
Department of the Air Force	209,939	45,411	25,838	0	133,008	80	2,801	0	0	2,801
Defense agencies, total	380,833	1,454	48,969	0	323,106	1,780	4,921	200	0	403
Advanced Rsch Projects Agency	87,590	482	39,395	0	40,609	1,780	4,921	0	0	403
Washington Headquarters Svcs	293,243	972	9,574	0	282,497	0	0	200	0	0
Department of Education	6,108	454	0	0	4,454	0	1,200	0	0	0
Department of Energy	1,664,886	52,615	63,605	163,583	385,940	914,422	10,418	73,527	191	585
Dept of Health & Human Svcs, total	6,269,011	1,010,166	224,476	48,531	3,932,131	56,528	894,634	7,475	64,937	30,133
Health Resources & Svcs Admin	1,035	1,022	0	0	13	0	0	0	0	0
National Institutes of Health	6,267,976	1,009,144	224,476	48,531	3,932,118	56,528	894,634	7,475	64,937	30,133
Department of the Interior, total	192,779	172,119	4,507	0	14,367	75	24	0	1,687	0
Bureau of Mines	32,601	22,348	3,753	0	6,500	0	0	0	0	0
Geological Survey	148,150	140,295	754	0	5,390	0	24	0	1,687	0
National Biological Survey	11,358	9,086	0	0	2,272	0	0	0	0	0
National Park Service	670	390	0	0	205	75	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-28. Estimated Federal obligations for basic research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Justice, total	4,594	600	600	0	1,100	0	1,694	0	600	0
Office of Justice Programs	4,594	600	600	0	1,100	0	1,694	0	600	0
Department of Labor, total	11,750	2,304	0	0	9,446	0	0	0	0	0
Bureau of Labor Statistics	11,600	2,279	0	0	9,321	0	0	0	0	0
Employment & Training Admin	150	25	0	0	125	0	0	0	0	0
Department of State	92	92	0	0	0	0	0	0	0	0
Department of Transportation, total	2,340	1	0	0	2,339	0	0	0	0	0
Federal Highway Administration	2,340	1	0	0	2,339	0	0	0	0	0
Department of the Treasury, total	17,140	11,455	0	0	0	0	0	5,685	0	0
Internal Revenue Service	17,140	11,455	0	0	0	0	0	5,685	0	0
Department of Veterans Affairs	10,550	10,550	0	0	0	0	0	0	0	0
Other agencies										
Agency for International Dvlpmt	6,875	231	0	0	914	0	5,730	0	0	0
Environmental Protection Agency	109,923	24,500	37,463	0	6,040	0	0	0	41,920	0
Library of Congress	475	475	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,785,630	498,191	411,002	0	509,638	297,007	62,404	1,058	1,256	5,074
National Science Foundation	2,043,793	19,361	84,149	470	1,674,880	149,541	109,711	446	2,544	2,691
Smithsonian Institution	106,000	106,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	11,790	11,790	0	0	0	0	0	0	0	0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-29. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1993	Estimates	
		1994	1995
Total, all fields	13,399,121	14,043,351	14,201,008
Life sciences, total	6,288,812	6,673,746	6,898,465
Biological (excluding environmental)	3,222,473	3,373,813	3,532,744
Environmental biology	223,156	279,799	261,003
Agricultural	342,165	356,807	364,678
Medical	2,380,887	2,537,411	2,609,792
Life sciences, n.e.c	120,131	125,916	130,248
Psychology, total	246,785	256,317	268,673
Biological aspects	18,085	18,041	19,816
Social aspects	16,016	15,328	15,981
Psychological sciences, n.e.c.	212,684	222,948	232,876
Physical sciences, total	2,907,135	2,946,950	2,900,323
Astronomy	663,436	681,319	677,416
Chemistry	543,688	570,152	590,484
Physics	1,600,628	1,545,273	1,494,674
Physical sciences, n.e.c.	99,383	150,206	137,749
Environmental sciences, total	1,533,470	1,574,902	1,525,958
Atmospheric	635,122	650,285	632,713
Geological	555,302	562,843	528,362
Oceanography	207,154	215,656	213,963
Environmental sciences, n.e.c.	135,892	146,118	150,920
Mathematics & computer sciences, total	511,278	563,595	582,911
Mathematics	221,841	247,477	261,528
Computer sciences	284,334	309,888	313,891
Mathematics & computer sciences, n.e.c.	5,103	6,230	7,492
Engineering, total	1,207,405	1,325,080	1,286,374
Aeronautical	246,181	244,989	215,159
Astronautical	53,585	55,790	46,374
Chemical	72,784	88,909	83,666
Civil	38,671	45,532	45,990
Electrical	203,086	245,228	215,528
Mechanical	142,614	150,461	167,558
Metallurgy & materials	241,347	288,111	288,732
Engineering, n.e.c.	209,137	206,060	223,367
Social sciences, total	194,101	192,075	206,312
Anthropology	10,025	10,403	11,403
Economics	45,993	45,989	52,408
Political science	6,391	4,650	5,122
Sociology	11,080	9,380	10,388
Social sciences, n.e.c.	120,612	121,653	126,991
Other sciences, n.e.c.	510,135	510,686	531,992

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-30. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	13,399,121	6,288,812	246,785	2,907,135	1,533,470	511,278	1,207,405	194,101	510,135
Departments									
Department of Agriculture, total	615,941	515,157	132	44,549	4,713	4,004	18,914	27,913	559
Agricultural Research Service	341,048	307,639	20	27,695	1,762	1,526	2,389	17	0
Cooperative State Research Svc	192,451	158,786	0	12,128	1,457	0	5,698	14,382	0
Economic Research Service	10,606	0	0	0	0	0	0	10,606	0
Forest Service	69,400	47,573	112	4,726	1,494	1,201	10,827	2,908	559
Nat'l Agricultural Statistics Svc	1,277	0	0	0	0	1,277	0	0	0
Office of International Cooperation & Development[1]	1,159	1,159	0	0	0	0	0	0	0
Department of Commerce, total	37,201	0	67	27,073	611	1,461	7,989	0	0
Bureau of the Census	355	0	67	0	0	288	0	0	0
National Institute of Standards & Technology	36,506	0	0	27,073	271	1,173	7,989	0	0
National Oceanic & Atmospheric Administration	340	0	0	0	340	0	0	0	0
Department of Defense, total	1,268,238	161,063	28,197	205,573	169,235	165,291	455,592	18,434	64,853
Department of the Army	215,739	53,404	6,167	29,393	19,562	23,719	67,567	1,368	14,559
Department of the Navy	422,000	35,921	18,415	84,620	116,254	38,198	117,028	0	11,564
Department of the Air Force	218,737	19,086	370	48,330	20,063	22,895	68,211	10,564	29,218
Defense agencies, total	411,762	52,652	3,245	43,230	13,356	80,479	202,786	6,502	9,512
Advanced Rsch Projects Agency	122,423	409	0	3,654	0	55,022	62,265	0	1,073
Uniformed Svcs University of the Health Sciences	3,498	3,498	0	0	0	0	0	0	0
Washington Headquarters Svcs	285,841	48,745	3,245	39,576	13,356	25,457	140,521	6,502	8,439
Department of Education	5,323	1,506	0	0	0	0	0	3,817	0
Department of Energy	1,754,831	185,555	0	1,209,731	148,111	89,018	120,382	0	2,034
Dept of Health & Human Svcs, total	5,696,697	4,970,065	203,171	126,776	0	21,575	65,471	55,294	254,345
Health Resources & Svcs Admin	1,107	1,107	0	0	0	0	0	0	0
National Institutes of Health	5,695,590	4,968,958	203,171	126,776	0	21,575	65,471	55,294	254,345
Department of the Interior, total	230,259	6,578	0	5,803	174,754	1,738	41,086	300	0
Bureau of Land Management	637	0	0	0	637	0	0	0	0
Bureau of Mines	44,598	0	0	0	3,512	0	41,086	0	0
Geological Survey	178,016	200	0	5,173	170,605	1,738	0	300	0
National Park Service	630	0	0	630	0	0	0	0	0
US Fish & Wildlife Service	6,378	6,378	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-30. Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Justice, total	5,045	535	1,970	0	0	200	0	2,040	300
Office of Justice Programs	5,045	535	1,970	0	0	200	0	2,040	300
Department of Labor, total	5,550	0	0	0	0	0	0	5,550	0
Bureau of Labor Statistics	5,400	0	0	0	0	0	0	5,400	0
Employment & Training Admin	150	0	0	0	0	0	0	150	0
Department of State	4,793	0	0	0	0	0	0	4,793	0
Department of Transportation, total	1,656	0	0	0	0	0	1,591	65	0
Federal Highway Administration	1,656	0	0	0	0	0	1,591	65	0
Department of the Treasury, total	6,497	0	0	0	0	6,497	0	0	0
Internal Revenue Service	6,497	0	0	0	0	6,497	0	0	0
Department of Veterans Affairs	13,339	12,990	349	0	0	0	0	0	0
Other agencies:									
Agency for International Dvlpmt	8,376	8,376	0	0	0	0	0	0	0
Environmental Protection Agency	89,149	23,384	0	0	56,090	0	9,668	0	7
Library of Congress	349	0	0	0	0	0	0	0	349
National Aeronautics & Space Admin	1,800,087	70,526	3,270	802,569	576,789	21,117	305,800	331	19,685
National Archives & Records Admin	150	0	0	150	0	0	0	0	0
National Science Foundation	1,743,770	286,125	9,629	454,598	398,663	200,377	180,912	47,690	165,776
Smithsonian Institution	102,000	38,422	0	29,868	4,504	0	0	27,874	1,332
Tennessee Valley Authority	9,870	8,530	0	445	0	0	0	0	895

[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-31. Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,043,351	6,673,746	256,317	2,946,950	1,574,902	563,595	1,325,080	192,075	510,686
Departments:									
Department of Agriculture, total	644,650	541,324	138	45,803	4,843	4,000	19,970	27,982	590
Agricultural Research Service	354,023	319,961	20	28,141	1,782	1,583	2,519	17	0
Cooperative State Research Svc	205,282	170,127	0	12,677	1,486	0	6,032	14,960	0
Economic Research Service	9,937	0	0	0	0	0	0	9,937	0
Forest Service	73,200	50,178	118	4,985	1,575	1,267	11,419	3,068	590
Foreign Agricultural Service[1]	1,058	1,058	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,150	0	0	0	0	1,150	0	0	0
Department of Commerce, total	40,798	0	67	30,369	693	1,317	8,352	0	0
Bureau of the Census	349	0	67	0	0	282	0	0	0
National Institute of Standards & Technology	39,981	0	0	30,369	225	1,035	8,352	0	0
National Oceanic & Atmospheric Administration	468	0	0	0	468	0	0	0	0
Department of Defense, total	1,341,405	230,933	27,404	220,176	180,811	164,703	471,130	10,520	35,728
Department of the Army	214,802	56,176	5,827	41,465	20,312	22,035	68,063	0	924
Department of the Navy	411,238	34,163	18,483	80,244	115,681	37,718	113,632	0	11,317
Department of the Air Force	208,397	21,990	319	42,120	26,078	22,985	62,291	10,258	22,356
Defense agencies, total	506,968	118,604	2,775	56,347	18,740	81,965	227,144	262	1,131
Advanced Rsch Projects Agency	86,938	908	0	682	0	37,920	47,428	0	0
Uniformed Svcs University of the Health Sciences	856	856	0	0	0	0	0	0	0
Washington Headquarters Svcs	419,174	116,840	2,775	55,665	18,740	44,045	179,716	262	1,131
Department of Education	7,576	1,496	0	0	0	0	0	6,080	0
Department of Energy	1,692,940	188,618	0	1,117,727	158,684	110,457	115,395	0	2,059
Dept of Health & Human Svcs, total	5,987,043	5,223,320	213,529	133,253	0	22,688	68,842	58,126	267,285
Health Resources & Svcs Admin	816	816	0	0	0	0	0	0	0
National Institutes of Health	5,986,227	5,222,504	213,529	133,253	0	22,688	68,842	58,126	267,285
Department of the Interior, total	222,418	10,229	0	5,732	166,800	1,747	37,610	300	0
Bureau of Mines	42,305	0	0	0	4,695	0	37,610	0	0
Geological Survey	169,414	200	0	5,062	162,105	1,747	0	300	0
National Biological Survey	10,029	10,029	0	0	0	0	0	0	0
National Park Service	670	0	0	670	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-31. Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Justice, total	5,215	600	400	0	0	300	0	2,815	1,100
Office of Justice Programs	5,215	600	400	0	0	300	0	2,815	1,100
Department of Labor, total	5,764	0	0	0	0	0	0	5,764	0
Bureau of Labor Statistics	5,600	0	0	0	0	0	0	5,600	0
Employment & Training Admin	150	0	0	0	0	0	0	150	0
Pension Benefit Guaranty Corporation	14	0	0	0	0	0	0	14	0
Department of State	88	0	0	0	0	0	0	88	0
Department of Transportation, total	4,195	0	0	0	0	0	4,195	0	0
Federal Highway Administration	4,195	0	0	0	0	0	4,195	0	0
Department of the Treasury, total	14,378	0	0	66	0	14,312	0	0	0
Bureau of Engraving & Printing	66	0	0	66	0	0	0	0	0
Internal Revenue Service	14,312	0	0	0	0	14,312	0	0	0
Department of Veterans Affairs	14,328	13,953	375	0	0	0	0	0	0
Other agencies:									
Agency for International Dvlpmt	5,967	5,967	0	0	0	0	0	0	0
Environmental Protection Agency	100,256	25,367	0	0	60,937	0	13,952	0	0
Library of Congress	446	0	0	0	0	0	0	0	446
National Aeronautics & Space Admin	1,966,017	73,765	3,959	886,184	573,811	25,606	378,461	401	23,830
National Science Foundation	1,875,277	307,196	10,445	479,301	423,467	218,465	207,173	50,957	178,273
Smithsonian Institution	104,000	40,912	0	27,815	4,856	0	0	29,042	1,375
Tennessee Valley Authority	10,590	10,066	0	524	0	0	0	0	0

[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-32. Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	14,201,008	6,898,465	268,673	2,900,323	1,525,958	582,911	1,286,374	206,312	531,992
Departments									
Department of Agriculture, total	661,115	558,411	151	46,001	4,703	4,230	20,543	26,424	652
Agricultural Research Service	363,385	327,933	20	29,122	1,878	1,667	2,746	19	0
Cooperative State Research Svc	204,942	173,956	0	11,370	1,085	0	5,175	13,356	0
Economic Research Service	9,658	0	0	0	0	0	0	9,658	0
Forest Service	80,900	55,455	131	5,509	1,740	1,400	12,622	3,391	652
Foreign Agricultural Service[1]	1,067	1,067	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	1,163	0	0	0	0	1,163	0	0	0
Department of Commerce, total	52,019	510	67	32,518	796	4,036	14,092	0	0
Bureau of the Census	355	0	67	0	0	288	0	0	0
National Institute of Standards & Technology	51,289	510	0	32,518	421	3,748	14,092	0	0
National Oceanic & Atmospheric Administration	375	0	0	0	375	0	0	0	0
Department of Defense, total	1,244,138	165,552	28,780	205,982	169,383	147,088	474,573	12,279	40,501
Department of the Army	219,291	55,680	5,634	36,454	21,366	18,396	81,419	342	0
Department of the Navy	434,075	36,275	18,726	83,281	118,372	39,398	121,069	0	16,954
Department of the Air Force	209,939	25,329	510	48,091	13,412	24,573	65,288	11,577	21,159
Defense agencies, total	380,833	48,268	3,910	38,156	16,233	64,721	206,797	360	2,388
Advanced Rsch Projects Agency	87,590	0	0	0	0	29,894	57,696	0	0
Washington Headquarters Svcs	293,243	48,268	3,910	38,156	16,233	34,827	149,101	360	2,388
Department of Education	6,108	1,498	0	0	0	0	0	4,610	0
Department of Energy	1,664,886	194,688	0	1,081,813	162,913	115,285	109,010	0	1,177
Dept of Health & Human Svcs, total	6,269,011	5,470,033	223,391	139,524	0	23,693	72,019	60,799	279,552
Health Resources & Svcs Admin	1,035	1,035	0	0	0	0	0	0	0
National Institutes of Health	6,267,976	5,468,998	223,391	139,524	0	23,693	72,019	60,799	279,552
Department of the Interior, total	192,779	11,558	0	5,450	146,243	1,698	27,530	300	0
Bureau of Mines	32,601	0	0	0	5,071	0	27,530	0	0
Geological Survey	148,150	200	0	4,780	141,172	1,698	0	300	0
National Biological Survey	11,358	11,358	0	0	0	0	0	0	0
National Park Service	670	0	0	670	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-32. Estimated Federal obligations for basic research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of Justice, total	4,594	550	200	0	0	0	0	3,344	500
Office of Justice Programs	4,594	550	200	0	0	0	0	3,344	500
Department of Labor, total	11,750	0	0	0	0	0	0	11,750	0
Bureau of Labor Statistics	11,600	0	0	0	0	0	0	11,600	0
Employment & Training Admin	150	0	0	0	0	0	0	150	0
Department of State	92	0	0	0	0	0	0	92	0
Department of Transportation, total	2,340	0	0	0	0	0	2,340	0	0
Federal Highway Administration	2,340	0	0	0	0	0	2,340	0	0
Department of the Treasury, total	17,140	0	0	0	0	17,140	0	0	0
Internal Revenue Service	17,140	0	0	0	0	17,140	0	0	0
Department of Veterans Affairs	10,550	10,234	316	0	0	0	0	0	0
Other agencies:									
Agency for International Dvlpmt	6,875	5,723	0	0	0	0	0	0	1,152
Environmental Protection Agency	109,923	30,389	0	0	47,039	0	32,495	0	0
Library of Congress	475	0	0	0	0	0	0	0	475
National Aeronautics & Space Admin	1,785,630	62,130	3,959	834,713	525,100	26,569	308,927	401	23,831
National Science Foundation	2,043,793	334,760	11,809	525,097	464,878	243,172	224,845	56,507	182,725
Smithsonian Institution	106,000	41,223	0	28,641	4,903	0	0	29,806	1,427
Tennessee Valley Authority	11,790	11,206	0	584	0	0	0	0	0

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[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-33. Federal obligations for basic research in psychology and life sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	246,785	18,085	16,016	212,684	6,288,812	3,222,473	223,156	342,165	2,380,887	120,131
Departments										
Department of Agriculture, total	132	0	132	0	515,157	94,811	71,683	330,475	18,188	0
Agricultural Research Service	20	0	20	0	307,639	22,525	20,952	255,452	8,710	0
Cooperative State Research Svc	0	0	0	0	158,786	58,791	21,608	72,671	5,716	0
Forest Service	112	0	112	0	47,573	13,495	29,123	1,193	3,762	0
Office of International Cooperation & Development[1]	0	0	0	0	1,159	0	0	1,159	0	0
Department of Commerce, total	67	0	67	0	0	0	0	0	0	0
Bureau of the Census	67	0	67	0	0	0	0	0	0	0
Department of Defense, total	28,197	12,472	10,227	5,498	161,063	44,799	22,961	170	85,133	8,000
Department of the Army	6,167	0	3,597	2,570	53,404	3,428	675	0	49,001	300
Department of the Navy	18,415	9,270	6,382	2,763	35,921	16,977	9,932	0	9,012	0
Department of the Air Force	370	116	89	165	19,086	4,839	5,468	0	1,079	7,700
Defense agencies, total	3,245	3,086	159	0	52,652	19,555	6,886	170	26,041	0
Advanced Rsch Projects Agency	0	0	0	0	409	0	0	0	409	0
Uniformed Svcs University of the Health Sciences	0	0	0	0	3,498	868	0	0	2,630	0
Washington Headquarters Svcs	3,245	3,086	159	0	48,745	18,687	6,886	170	23,002	0
Department of Education	0	0	0	0	1,506	0	0	0	0	1,506
Department of Energy	0	0	0	0	185,555	173,293	875	0	0	11,387
Dept of Health & Human Svcs, total	203,171	0	0	203,171	4,970,065	2,626,995	6,654	0	2,256,427	79,989
Health Resources & Svcs Admin	0	0	0	0	1,107	0	0	0	1,107	0
National Institutes of Health	203,171	0	0	203,171	4,968,958	2,626,995	6,654	0	2,255,320	79,989
Department of the Interior, total	0	0	0	0	6,578	3,954	2,524	100	0	0
Geological Survey	0	0	0	0	200	0	100	100	0	0
US Fish & Wildlife Service	0	0	0	0	6,378	3,954	2,424	0	0	0
Department of Justice, total	1,970	200	1,000	770	535	385	150	0	0	0
Office of Justice Programs	1,970	200	1,000	770	535	385	150	0	0	0
Department of Veterans Affairs	349	349	0	0	12,990	3,946	0	0	9,044	0
Other agencies										
Agency for International Dvlpmt	0	0	0	0	8,376	0	0	2,370	1,256	4,750
Environmental Protection Agency	0	0	0	0	23,384	0	19,160	0	4,224	0
National Aeronautics & Space Admin	3,270	62	383	2,825	70,526	52,131	3,682	520	6,615	7,578
National Science Foundation	9,629	5,002	4,207	420	286,125	205,604	73,600	0	0	6,921
Smithsonian Institution	0	0	0	0	38,422	16,555	21,867	0	0	0
Tennessee Valley Authority	0	0	0	0	8,530	0	0	8,530	0	0

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[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-34. Federal obligations for basic research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	2,907,135	663,436	543,688	1,600,628	99,383	1,533,470	635,122	555,302	207,154	135,892
Departments:										
Department of Agriculture, total	44,549	23	43,073	1,453	0	4,713	4,391	322	0	0
Agricultural Research Service	27,695	0	26,665	1,030	0	1,762	1,654	108	0	0
Cooperative State Research Svc	12,128	23	12,105	0	0	1,457	1,457	0	0	0
Forest Service	4,726	0	4,303	423	0	1,494	1,280	214	0	0
Department of Commerce, total	27,073	331	11,213	15,443	86	611	0	611	0	0
National Institute of Standards & Technology	27,073	331	11,213	15,443	86	271	0	271	0	0
National Oceanic & Atmospheric Administration	0	0	0	0	0	340	0	340	0	0
Department of Defense, total	205,573	15,097	76,135	110,892	3,449	169,235	35,196	54,104	72,229	7,706
Department of the Army	29,393	0	9,666	17,137	2,590	19,562	7,892	3,474	490	7,706
Department of the Navy	84,620	5,471	28,288	50,861	0	116,254	15,399	37,637	63,218	0
Department of the Air Force	48,330	8,679	20,751	18,041	859	20,063	10,546	9,517	0	0
Defense agencies, total	43,230	947	17,430	24,853	0	13,356	1,359	3,476	8,521	0
Advanced Rsch Projects Agency	3,654	0	541	3,113	0	0	0	0	0	0
Washington Headquarters Svcs	39,576	947	16,889	21,740	0	13,356	1,359	3,476	8,521	0
Department of Energy	1,209,731	337	139,685	1,063,809	5,900	148,111	83,912	55,643	7,047	1,509
Dept of Health & Human Svcs, total	126,776	0	111,476	15,300	0	0	0	0	0	0
National Institutes of Health	126,776	0	111,476	15,300	0	0	0	0	0	0
Department of the Interior, total	5,803	0	5,803	0	0	174,754	700	153,641	19,600	813
Bureau of Land Management	0	0	0	0	0	637	0	0	0	637
Bureau of Mines	0	0	0	0	0	3,512	0	3,336	0	176
Geological Survey	5,173	0	5,173	0	0	170,605	700	150,305	19,600	0
National Park Service	630	0	630	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	0	0	0	0	0	56,090	25,014	3,457	114	27,505
National Aeronautics & Space Admin	802,569	509,778	37,314	232,482	22,995	576,789	357,288	148,744	31,141	39,616
National Archives & Records Admin	150	0	0	150	0	0	0	0	0	0
National Science Foundation	454,598	109,518	118,061	160,066	66,953	398,663	128,561	134,632	76,727	58,743
Smithsonian Institution	29,868	28,352	483	1,033	0	4,504	60	4,148	296	0
Tennessee Valley Authority	445	0	445	0	0	0	0	0	0	0

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-35. Federal obligations for basic research in engineering, by agency and detailed field of engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Total, all agencies	1,207,405	246,181	53,585	72,784	38,671	203,086	142,614	241,347	209,137
Departments:									
Department of Agriculture, total	18,914	0	0	2,355	1,335	298	998	0	13,928
Agricultural Research Service	2,389	0	0	1,028	644	286	206	0	225
Cooperative State Research Svc	5,698	0	0	0	0	0	0	0	5,698
Forest Service	10,827	0	0	1,327	691	12	792	0	8,005
Department of Commerce, total	7,989	0	0	1,575	0	811	5	1,486	4,112
National Institute of Standards & Technology	7,989	0	0	1,575	0	811	5	1,486	4,112
Department of Defense, total	455,592	27,449	2,492	12,198	11,012	144,687	89,369	138,262	30,123
Department of the Army	67,567	10,579	120	2,356	7,588	20,595	13,706	11,107	1,516
Department of the Navy	117,028	0	0	0	0	44,265	31,556	40,677	530
Department of the Air Force	68,211	11,241	0	1,162	0	25,036	20,077	9,262	1,433
Defense agencies, total	202,786	5,629	2,372	8,680	3,424	54,791	24,030	77,216	26,644
Advanced Rsch Projects Agency	62,265	0	0	3,471	0	3,346	0	39,784	15,664
Washington Headquarters Svcs	140,521	5,629	2,372	5,209	3,424	51,445	24,030	37,432	10,980
Department of Energy	120,382	0	0	26,409	0	430	16,302	63,784	13,457
Dept of Health & Human Svcs, total	65,471	0	0	0	0	0	0	0	65,471
National Institutes of Health	65,471	0	0	0	0	0	0	0	65,471
Department of the Interior, total	41,086	0	0	0	0	0	0	6,549	34,537
Bureau of Mines	41,086	0	0	0	0	0	0	6,549	34,537
Department of Transportation, total	1,591	0	0	0	1,591	0	0	0	0
Federal Highway Administration	1,591	0	0	0	1,591	0	0	0	0
Other agencies:									
Environmental Protection Agency	9,668	0	0	606	0	0	0	0	9,062
National Aeronautics & Space Admin	305,800	215,514	51,093	2,192	180	5,541	8,996	13,527	8,757
National Science Foundation	180,912	3,218	0	27,449	24,553	51,319	26,944	17,739	29,690

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-36. Federal obligations for basic research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	511,278	221,841	284,334	5,103	194,101	10,025	45,993	6,391	11,080	120,612
Departments:										
Department of Agriculture, total	4,004	2,539	1,465	0	27,913	8	24,790	0	3,115	0
Agricultural Research Service	1,526	61	1,465	0	17	0	17	0	0	0
Cooperative State Research Svc	0	0	0	0	14,382	0	11,730	0	2,652	0
Economic Research Service	0	0	0	0	10,606	0	10,383	0	223	0
Forest Service	1,201	1,201	0	0	2,908	8	2,660	0	240	0
Nat'l Agricultural Statistics Svc	1,277	1,277	0	0	0	0	0	0	0	0
Department of Commerce, total	1,461	823	638	0	0	0	0	0	0	0
Bureau of the Census	288	288	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	1,173	535	638	0	0	0	0	0	0	0
Department of Defense, total	165,291	52,454	111,745	1,092	18,434	0	0	0	0	18,434
Department of the Army	23,719	8,610	14,439	670	1,368	0	0	0	0	1,368
Department of the Navy	38,198	19,533	18,665	0	0	0	0	0	0	0
Department of the Air Force	22,895	13,385	9,510	0	10,564	0	0	0	0	10,564
Defense agencies, total	80,479	10,926	69,131	422	6,502	0	0	0	0	6,502
Advanced Rsch Projects Agency	55,022	2,011	52,589	422	0	0	0	0	0	0
Washington Headquarters Svcs	25,457	8,915	16,542	0	6,502	0	0	0	0	6,502
Department of Education	0	0	0	0	3,817	0	0	0	6	3,811
Department of Energy	89,018	68,183	20,835	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	21,575	14,262	7,313	0	55,294	0	0	0	1,494	53,800
National Institutes of Health	21,575	14,262	7,313	0	55,294	0	0	0	1,494	53,800
Department of the Interior, total	1,738	1,213	525	0	300	0	0	0	0	300
Geological Survey	1,738	1,213	525	0	300	0	0	0	0	300
Department of Justice, total	200	100	100	0	2,040	50	200	400	500	890
Office of Justice Programs	200	100	100	0	2,040	50	200	400	500	890
Department of Labor, total	0	0	0	0	5,550	0	5,550	0	0	0
Bureau of Labor Statistics	0	0	0	0	5,400	0	5,400	0	0	0
Employment & Training Admin	0	0	0	0	150	0	150	0	0	0
Department of State	0	0	0	0	4,793	383	1,198	1,918	719	575
Department of Transportation, total	0	0	0	0	65	0	0	65	0	0
Federal Highway Administration	0	0	0	0	65	0	0	65	0	0
Department of the Treasury, total	6,497	0	6,497	0	0	0	0	0	0	0
Internal Revenue Service	6,497	0	6,497	0	0	0	0	0	0	0
Other agencies:										
National Aeronautics & Space Admin	21,117	684	16,732	3,701	331	0	0	0	212	119
National Science Foundation	200,377	81,583	118,484	310	47,690	6,830	14,255	4,008	4,64[illegible]	17,948
Smithsonian Institution	0	0	0	0	27,874	2,754	0	0	385	24,735

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-37. Federal obligations for applied research, by agency and performer: fiscal year 1993

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	13,491,376	4,754,951	3,059,683	558,557	3,045,532	909,780	876,417	102,175	140,143	44,138
Departments:										
Department of Agriculture, total	635,784	388,626	4,149	13	232,151	0	8,011	0	1,106	1,728
Agricultural Cooperative Service	2,902	2,605	0	0	297	0	0	0	0	0
Agricultural Marketing Service[2]	4,118	3,915	0	0	203	0	0	0	0	0
Agricultural Research Service	233,293	221,748	0	0	8,269	0	1,537	0	101	1,638
Cooperative State Research Svc	226,191	11,965	3,680	0	204,506	0	5,355	0	685	0
Economic Research Service	48,319	46,804	0	0	1,515	0	0	0	0	0
Federal Grain Inspection Service	1,773	1,773	0	0	0	0	0	0	0	0
Forest Service	107,800	89,942	367	0	16,322	0	759	0	320	90
Human Nutrition Information Svc	8,397	7,281	102	0	654	0	360	0	0	0
Nat'l Agricultural Statistics Svc	2,605	2,327	0	13	265	0	0	0	0	0
Office of International Cooperation & Development[3]	386	266	0	0	120	0	0	0	0	0
Department of Commerce, total	544,874	429,148	59,413	0	48,884	3	381	0	7,037	8
Bureau of the Census	2,948	2,948	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	136,368	108,016	25,001	0	2,959	3	381	0	0	8
National Oceanic & Atmospheric Administration	401,391	314,017	34,412	0	45,925	0	0	0	7,037	0
National Telecommunications & Information Administration	4,167	4,167	0	0	0	0	0	0	0	0
Department of Defense, total	3,515,246	1,326,077	1,652,830	43,519	326,441	101,416	40,722	12,128	143	11,970
Department of the Army	802,835	496,376	249,036	5,192	36,460	3,808	6,078	2,377	0	3,508
Department of the Navy	574,106	310,244	219,570	1,035	38,523	930	520	1,338	0	1,946
Department of the Air Force	669,080	256,324	363,991	291	43,004	617	3,840	397	143	473
Defense agencies, total	1,469,225	263,133	820,233	37,001	208,454	96,061	30,284	8,016	0	6,043
Advanced Rsch Projects Agency	819,943	42,715	492,667	25,202	176,444	52,098	23,168	5,049	0	2,600
Ballistic Missile Defense Organization	125,753	22,260	60,355	400	27,295	11,313	1,000	500	0	2,630
Defense Nuclear Agency	424,124	128,575	242,018	9,880	4,365	31,950	5,836	687	0	813
Special Operations Command	39,603	39,434	169	0	0	0	0	0	0	0
Washington Headquarters Svcs	59,802	30,149	25,024	1,519	350	700	280	1,780	0	0
Department of Education	128,272	7,300	5,479	0	83,588	0	28,251	0	3,654	0
Department of Energy	1,685,383	166,955	148,799	434,330	175,944	660,648	27,010	69,778	1,020	899

See explanatory information, if any, and SOURCE at end of table.

Table C-37. Federal obligations for applied research, by agency and performer: fiscal year 1993

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural [1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	3,495,916	853,330	177,941	35,241	1,787,485	19,493	540,860	6,304	58,820	16,442
Administration on Aging[4]	2,676	153	0	0	1,185	0	1,138	0	200	0
Admin for Children & Families[4]	18,548	398	0	0	2,600	0	15,070	0	480	0
Agency for Health Care Policy & Research[5]	105,616	20,762	10,038	0	53,296	0	21,196	0	324	0
Centers for Disease Control	162,511	100,742	5,470	0	42,448	0	12,424	0	1,427	0
Food & Drug Administration	154,500	140,880	0	0	8,043	0	5,577	0	0	0
Health Care Financing Admin	68,179	1,342	16,781	0	6,066	0	31,222	0	12,768	0
Health Resources & Svcs Admin	8,491	1,852	0	0	5,397	0	1,242	0	0	0
National Institutes of Health	2,942,913	567,995	140,730	35,241	1,663,381	19,493	452,395	6,304	40,932	16,442
Office of the Secretary	8,002	2,144	1,217	0	3,973	0	577	0	91	0
Social Security Administration	24,480	17,062	3,705	0	1,096	0	19	0	2,598	0
Department of Housing & Urban Dvlpmt	8,057	6,898	106	0	402	0	651	0	0	0
Department of the Interior, total	349,821	297,708	14,107	1,412	33,864	0	346	0	1,371	1,013
Bureau of Land Management	7,365	4,714	0	0	2,651	0	0	0	0	0
Bureau of Mines	60,370	50,246	8,851	1,246	0	0	0	0	27	0
Bureau of Reclamation	7,434	6,500	0	0	750	0	184	0	0	0
Geological Survey	165,854	153,039	2,248	0	9,225	0	23	0	1,319	0
Minerals Management Service	5,776	2,260	1,191	166	1,146	0	0	0	0	1,013
National Park Service	37,515	20,665	1,667	0	15,019	0	139	0	25	0
Office of the Secretary	200	50	150	0	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	497	1	0	0	496	0	0	0	0	0
US Fish & Wildlife Service	64,810	60,233	0	0	4,577	0	0	0	0	0
Department of Justice, total	20,537	2,040	636	0	3,153	0	12,497	0	2,211	0
Bureau of Prisons[6]	2,500	1,960	0	0	40	0	0	0	500	0
Drug Enforcement Administration	15	15	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	17,622	25	636	0	3,113	0	12,137	0	1,711	0
Department of Labor, total	13,407	6,001	6,165	0	0	0	668	0	573	0
Bureau of Labor Statistics	1,500	1,500	0	0	0	0	0	0	0	0
Employment & Training Admin	3,309	594	1,500	0	0	0	642	0	573	0
Occupational Safety & Health Administration	2,458	1,166	1,292	0	0	0	0	0	0	0
Office of the Secretary	2,850	1,800	1,024	0	0	0	26	0	0	0
Pension Benefit Guaranty Corporation	680	231	449	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,610	710	1,900	0	0	0	0	0	0	0
Department of State	492	349	88	0	0	15	40	0	0	0
Department of Transportation, total	224,405	60,356	66,210	3,943	34,064	1,300	11,293	0	47,089	150
Coast Guard	8,233	5,579	1,954	0	700	0	0	0	0	0
Federal Aviation Administration	59,807	21,764	27,380	0	10,663	0	0	0	0	0
Federal Highway Administration	90,052	6,662	22,336	3,943	13,452	1,300	4,016	0	38,193	150
Federal Railroad Administration	20,876	8,563	5,597	0	100	0	5,616	0	1,000	0
Federal Transit Administration[7]	10,946	1	0	0	3,049	0	0	0	7,896	0
Maritime Administration	1,741	951	690	0	100	0	0	0	0	0
National Highway Traffic Safety Administration	31,611	16,581	7,369	0	6,000	0	1,661	0	0	0
Office of the Secretary	645	137	508	0	0	0	0	0	0	0
Research & Special Programs Administration	494	118	376	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-37. Federal obligations for applied research, by agency and performer: fiscal year 1993

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	4,623	4,149	314	0	25	135	0	0	0	0
Bureau of Engraving & Printing	3,235	3,100	0	0	0	135	0	0	0	0
Office of Thrift Supervision[8]	738	738	0	0	0	0	0	0	0	0
United States Customs Service	100	75	0	0	25	0	0	0	0	0
United States Secret Service[9]	550	236	314	0	0	0	0	0	0	0
Department of Veterans Affairs	194,079	193,109	0	0	970	0	0	0	0	0
Other agencies:										
Advisory Commission on Intergovernmental Relations	2,098	2,098	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	350,846	173,116	8,313	0	27,241	0	136,726	0	0	5,450
Appalachian Regional Commission	900	370	0	0	130	0	0	0	400	0
Consumer Product Safety Commission	795	775	20	0	0	0	0	0	0	0
Environmental Protection Agency	272,385	60,999	146,272	0	50,670	0	0	0	14,444	0
Federal Communications Commission	1,625	1,625	0	0	0	0	0	0	0	0
Federal Trade Commission	877	877	0	0	0	0	0	0	0	0
Library of Congress	1,438	1,438	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,748,641	718,691	737,054	0	117,998	107,856	61,111	78	1,310	4,543
National Archives & Records Admin	140	140	0	0	0	0	0	0	0	0
National Science Foundation	138,119	576	16,609	45	114,784	116	5,012	0	965	12
Nuclear Regulatory Commission	119,781	23,304	14,235	40,054	4,797	18,798	2,783	13,887	0	1,923
Tennessee Valley Authority	18,065	15,140	0	0	2,925	0	0	0	0	0
US Arms Control & Disarmament Agcy	1,493	479	943	0	16	0	55	0	0	0
United States Information Agency	1,125	1,125	0	0	0	0	0	0	0	0
US International Trade Commission	12,152	12,152	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-38. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	13,990,162	4,905,108	3,174,793	459,164	3,286,296	775,319	943,446	121,765	284,570	39,701
Departments:										
Department of Agriculture, total	662,796	404,313	8,357	15	240,015	0	7,634	0	1,117	1,345
Agricultural Cooperative Service	2,412	2,412	0	0	0	0	0	0	0	0
Agricultural Marketing Service[2]	4,241	4,241	0	0	0	0	0	0	0	0
Agricultural Research Service	244,830	233,091	0	0	8,843	0	1,537	0	101	1,258
Cooperative State Research Svc	235,803	12,324	3,823	0	213,599	0	5,355	0	702	0
Economic Research Service	45,268	44,366	0	0	902	0	0	0	0	0
Federal Grain Inspection Service	1,791	1,791	0	0	0	0	0	0	0	0
Forest Service	114,100	96,624	359	0	15,974	0	742	0	314	87
Foreign Agricultural Service[3]	352	88	0	0	264	0	0	0	0	0
Human Nutrition Information Svc	11,653	7,195	4,175	0	283	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,346	2,181	0	15	150	0	0	0	0	0
Department of Commerce, total	766,834	476,927	218,955	0	63,170	3	619	0	7,152	8
Bureau of the Census	2,904	2,904	0	0	0	0	0	0	0	0
Economic Development Admin	500	100	0	0	200	0	200	0	0	0
National Institute of Standards & Technology	251,100	137,051	109,190	0	4,467	3	381	0	0	8
National Oceanic & Atmospheric Administration	507,775	332,317	109,765	0	58,503	0	38	0	7,152	0
National Telecommunications & Information Administration	4,555	4,555	0	0	0	0	0	0	0	0
Department of Defense, total	3,044,028	1,092,641	1,455,544	16,071	346,222	65,465	45,648	11,083	138	11,216
Department of the Army	661,777	423,513	196,975	1,629	26,458	4,118	5,065	889	0	3,130
Department of the Navy	441,869	212,014	192,726	786	31,423	901	648	1,983	0	1,388
Department of the Air Force	661,967	273,332	340,294	283	42,162	600	4,132	510	138	516
Defense agencies, total	1,278,415	183,782	725,549	13,373	246,179	59,846	35,803	7,701	0	6,182
Advanced Rsch Projects Agency	876,253	61,452	500,816	7,242	225,598	41,572	32,257	5,416	0	1,900
Ballistic Missile Defense Organization	71,182	11,156	33,441	1,000	16,102	6,440	1,153	350	0	1,540
Defense Info Systems Agency	1,662	1,662	0	0	0	0	0	0	0	0
Defense Nuclear Agency	224,219	48,919	151,902	3,686	4,479	11,834	1,772	385	0	1,242
Special Operations Command	62,141	32,771	29,370	0	0	0	0	0	0	0
Washington Headquarters Svcs	42,958	27,822	10,020	1,445	0	0	621	1,550	0	1,500
Department of Education	132,874	7,878	4,730	0	85,299	0	31,797	0	3,170	0
Department of Energy	1,700,121	221,090	204,886	371,256	212,684	561,162	37,558	89,249	1,231	1,005

See explanatory information, if any, and SOURCE at end of table.

Table C-38. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Dept of Health & Human Svcs, total	3,750,666	931,381	193,618	31,414	1,900,882	20,303	582,246	6,532	66,910	17,380
Administration on Aging[4]	2,474	171	0	0	788	0	1,350	0	165	0
Admin for Children & Families[4]	14,777	390	0	0	1,500	0	12,407	0	480	0
Agency for Health Care Policy & Research[5]	129,899	22,994	12,829	0	67,350	0	26,726	0	0	0
Centers for Disease Control	202,921	137,719	6,160	0	44,570	0	13,045	0	1,427	0
Food & Drug Administration	168,300	152,061	0	0	10,163	0	6,076	0	0	0
Health Care Financing Admin	85,982	889	20,761	0	7,345	0	39,044	0	17,693	250
Health Resources & Svcs Admin	8,290	1,557	0	0	5,456	0	1,277	0	0	0
National Institutes of Health	3,093,782	597,100	146,627	31,414	1,760,710	20,303	471,321	6,532	42,645	17,130
Office of the Secretary	11,741	3,000	2,741	0	2,000	0	2,000	0	2,000	0
Social Security Administration	32,500	15,500	4,500	0	1,000	0	9,000	0	2,500	0
Department of Housing & Urban Dvlpmt	14,051	9,406	1,275	0	491	0	2,879	0	0	0
Department of the Interior, total	360,664	317,724	14,332	1,031	24,888	0	525	0	1,174	990
Bureau of Mines	62,198	51,717	9,540	941	0	0	0	0	0	0
Bureau of Reclamation	7,249	6,384	0	0	360	0	505	0	0	0
Geological Survey	177,271	164,814	2,117	0	9,185	0	18	0	1,137	0
Minerals Management Service	5,021	2,145	1,154	90	605	0	0	0	37	990
National Biological Survey	90,260	81,234	0	0	9,026	0	0	0	0	0
National Park Service	18,665	11,430	1,521	0	5,712	0	2	0	0	0
Department of Justice, total	17,827	2,362	600	0	655	0	12,410	0	1,800	0
Bureau of Prisons[6]	2,500	2,000	0	0	0	0	0	0	500	0
Drug Enforcement Administration	72	72	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	14,855	250	600	0	655	0	12,050	0	1,300	0
Department of Labor, total	15,279	6,404	7,604	0	0	0	1,121	0	150	0
Bureau of Labor Statistics	1,500	1,500	0	0	0	0	0	0	0	0
Employment & Training Admin	3,852	654	1,978	0	0	0	1,070	0	150	0
Occupational Safety & Health Administration	3,687	1,239	2,448	0	0	0	0	0	0	0
Office of the Secretary	3,093	2,087	955	0	0	0	51	0	0	0
Pension Benefit Guaranty Corporation	517	194	323	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,630	730	1,900	0	0	0	0	0	0	0
Department of State	488	363	80	0	0	15	30	0	0	0
Department of Transportation, total	344,751	58,373	103,697	782	38,588	304	13,004	975	129,028	0
Coast Guard	5,948	4,016	1,332	0	600	0	0	0	0	0
Federal Aviation Administration	75,289	21,794	43,284	0	9,236	0	0	975	0	0
Federal Highway Administration	201,632	9,136	43,554	782	19,652	304	8,061	0	120,143	0
Federal Railroad Administration	20,917	3,571	8,219	0	100	0	4,027	0	0	0
Federal Transit Administration[7]	11,786	1	0	0	2,900	0	0	0	8,885	0
Maritime Administration	1,745	955	690	0	100	0	0	0	0	0
National Highway Traffic Safety Administration	25,315	12,892	5,507	0	6,000	0	916	0	0	0
Office of the Secretary	691	140	551	0	0	0	0	0	0	0
Research & Special Programs Administration	1,428	868	560	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

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Table C-38. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	5,599	4,912	520	0	0	167	0	0	0	0
Bureau of Engraving & Printing	4,230	4,063	0	0	0	167	0	0	0	0
Office of Thrift Supervision[8]	448	448	0	0	0	0	0	0	0	0
United States Customs Service	350	150	200	0	0	0	0	0	0	0
United States Secret Service[9]	571	251	320	0	0	0	0	0	0	0
Department of Veterans Affairs	210,317	209,272	0	0	1,045	0	0	0	0	0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1,175	1,175	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	270,175	108,413	5,624	0	26,515	0	129,093	0	0	530
Appalachian Regional Commission	900	100	0	0	0	0	0	0	800	0
Consumer Product Safety Commission	192	105	87	0	0	0	0	0	0	0
Environmental Protection Agency	306,337	63,044	111,233	0	62,615	0	0	0	69,445	0
Federal Communications Commission	1,735	1,735	0	0	0	0	0	0	0	0
Federal Trade Commission	884	884	0	0	0	0	0	0	0	0
Library of Congress	1,565	1,565	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	2,074,095	931,269	812,019	0	142,849	109,047	72,485	130	1,418	4,878
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	155,601	982	21,869	50	127,398	123	4,129	0	1,037	13
Nuclear Regulatory Commission	114,417	22,724	9,038	38,545	7,005	18,730	2,243	13,796	0	2,336
Tennessee Valley Authority	21,955	15,980	0	0	5,975	0	0	0	0	0
US Arms Control & Disarmament Agcy	1,323	573	725	0	0	0	25	0	0	0
United States Information Agency	698	698	0	0	0	0	0	0	0	0
US International Trade Commission	12,695	12,695	0	0	0	0	0	0	0	0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-39. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Intramural [1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	13,960,159	4,880,459	3,165,276	422,445	3,342,837	804,420	916,476	130,745	253,266	44,235
Departments:										
Department of Agriculture, total	653,887	427,008	9,374	15	211,821	0	3,334	0	1,117	1,218
Agricultural Cooperative Service	3,560	3,560	0	0	0	0	0	0	0	0
Agricultural Marketing Service [2]	4,174	4,174	0	0	0	0	0	0	0	0
Agricultural Research Service	251,304	239,507	0	0	9,028	0	1,537	0	101	1,131
Cooperative State Research Svc	202,331	10,957	4,315	0	185,302	0	1,055	0	702	0
Economic Research Service	43,996	43,094	0	0	902	0	0	0	0	0
Federal Grain Inspection Service	1,791	1,791	0	0	0	0	0	0	0	0
Forest Service	125,600	108,125	359	0	15,973	0	742	0	314	87
Foreign Agricultural Service [3]	355	89	0	0	266	0	0	0	0	0
Human Nutrition Information Svc	18,403	13,503	4,700	0	200	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,373	2,208	0	15	150	0	0	0	0	0
Department of Commerce, total	860,329	554,380	219,010	0	78,440	3	3,101	0	5,387	8
Bureau of the Census	2,958	2,958	0	0	0	0	0	0	0	0
Economic Development Admin	500	100	0	0	200	0	200	0	0	0
National Institute of Standards & Technology	387,551	155,726	203,522	0	25,391	3	2,901	0	0	8
National Oceanic & Atmospheric Administration	464,853	391,129	15,488	0	52,849	0	0	0	5,387	0
National Telecommunications & Information Administration	4,467	4,467	0	0	0	0	0	0	0	0
Department of Defense, total	3,018,484	1,029,243	1,461,908	5,995	373,348	74,196	55,676	10,640	156	7,322
Department of the Army	592,697	377,685	176,563	619	27,236	2,960	5,458	531	0	1,645
Department of the Navy	514,801	249,111	224,331	879	34,997	983	724	2,224	0	1,552
Department of the Air Force	666,865	262,540	359,161	318	38,857	675	4,047	539	156	572
Defense agencies, total	1,244,121	139,907	701,853	4,179	272,258	69,578	45,447	7,346	0	3,553
Advanced Rsch Projects Agency	817,439	31,425	435,849	2,520	253,142	48,752	42,246	3,007	0	498
Ballistic Missile Defense Organization	107,713	17,831	58,487	0	18,173	10,200	372	350	0	2,300
Defense Info Systems Agency	1,870	1,870	0	0	0	0	0	0	0	0
Defense Nuclear Agency	232,061	42,017	173,228	1,659	943	10,626	2,479	354	0	755
Special Operations Command	55,732	31,952	23,780	0	0	0	0	0	0	0
Washington Headquarters Svcs	29,306	14,812	10,509	0	0	0	350	3,635	0	0
Department of Education	131,176	7,941	5,648	0	92,855	0	21,631	0	3,101	0
Department of Energy	1,716,113	250,801	227,640	339,713	183,880	581,457	31,891	98,784	1,151	796

See explanatory information, if any, and SOURCE at end of table.

Table C-39. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	Foreign
Dept of Health & Human Svcs, total	3,851,931	955,091	206,588	37,495	1,963,997	21,490	574,332	6,914	67,742	18,282
Administration on Aging[4]	2,700	171	0	0	1,100	0	1,250	0	179	0
Admin for Children & Families[4]	14,583	390	0	0	1,480	0	12,240	0	473	0
Agency for Health Care Policy & Research[5]	99,500	17,910	9,791	0	51,402	0	20,397	0	0	0
Centers for Disease Control	202,921	137,119	6,760	0	44,570	0	13,045	0	1,427	0
Food & Drug Administration	168,600	152,365	0	0	10,166	0	6,069	0	0	0
Health Care Financing Admin	68,620	1,080	26,840	0	6,120	0	18,405	0	16,025	150
Health Resources & Svcs Admin	7,320	1,787	0	0	4,485	0	1,048	0	0	0
National Institutes of Health	3,252,687	627,769	155,197	37,495	1,841,674	21,490	498,878	6,914	45,138	18,132
Office of the Secretary	13,000	4,000	3,000	0	2,000	0	2,000	0	2,000	0
Social Security Administration	22,000	12,500	5,000	0	1,000	0	1,000	0	2,500	0
Department of Housing & Urban Dvlpmt	14,805	9,836	2,953	0	499	0	1,517	0	0	0
Department of the Interior, total	391,722	350,801	14,958	100	23,351	0	327	0	1,250	935
Bureau of Mines	61,004	50,806	10,198	0	0	0	0	0	0	0
Bureau of Reclamation	4,510	3,919	0	0	280	0	311	0	0	0
Geological Survey	200,431	190,427	2,108	0	6,630	0	16	0	1,250	0
Minerals Management Service	5,092	2,221	1,231	100	605	0	0	0	0	935
National Biological Survey	102,220	91,998	0	0	10,222	0	0	0	0	0
National Park Service	18,465	11,430	1,421	0	5,614	0	0	0	0	0
Department of Justice, total	17,789	3,062	300	0	755	0	12,572	0	1,100	0
Bureau of Prisons[6]	2,450	1,950	0	0	0	0	0	0	500	0
Drug Enforcement Administration	72	72	0	0	0	0	0	0	0	0
Immigration & Naturalization Svc	400	40	0	0	0	0	360	0	0	0
Office of Justice Programs	14,867	1,000	300	0	755	0	12,212	0	600	0
Department of Labor, total	18,421	6,845	9,739	0	0	0	1,612	0	225	0
Bureau of Labor Statistics	1,500	1,500	0	0	0	0	0	0	0	0
Employment & Training Admin	5,615	955	2,863	0	0	0	1,572	0	225	0
Occupational Safety & Health Administration	5,350	1,402	3,948	0	0	0	0	0	0	0
Office of the Secretary	3,067	2,069	958	0	0	0	40	0	0	0
Pension Benefit Guaranty Corporation	169	99	70	0	0	0	0	0	0	0
Pension & Welfare Benefit Admin	2,720	820	1,900	0	0	0	0	0	0	0
Department of State	502	377	80	0	0	15	30	0	0	0
Department of Transportation, total	307,987	64,733	90,195	977	35,750	5,325	6,537	1,092	103,378	0
Coast Guard	5,072	3,425	1,147	0	500	0	0	0	0	0
Federal Aviation Administration	72,702	20,191	42,262	0	9,157	0	0	1,092	0	0
Federal Highway Administration	166,444	17,653	32,708	977	16,993	5,325	3,079	0	89,709	0
Federal Railroad Administration	16,725	8,570	5,044	0	100	0	3,011	0	0	0
Federal Transit Administration[7]	16,570	1	0	0	2,900	0	0	0	13,669	0
Maritime Administration	3,627	1,378	2,149	0	100	0	0	0	0	0
National Highway Traffic Safety Administration	24,513	12,538	5,528	0	6,000	0	447	0	0	0
Office of the Secretary	931	144	787	0	0	0	0	0	0	0
Research & Special Programs Administration	1,403	833	570	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-39. Estimated Federal obligations for applied research, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Intramural [1]	Extramural								
			United States and territories								Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of the Treasury, total	3,679	2,675	820	0	0	184	0	0	0	0
Bureau of Engraving & Printing	1,955	1,771	0	0	0	184	0	0	0	0
Office of Thrift Supervision [8]	491	491	0	0	0	0	0	0	0	0
United States Customs Service	650	150	500	0	0	0	0	0	0	0
United States Secret Service [9]	583	263	320	0	0	0	0	0	0	0
Department of Veterans Affairs	175,130	174,260	0	0	870	0	0	0	0	0
Other agencies:										
Advisory Commission on Intergovernmental Relations	1,575	1,575	0	0	0	0	0	0	0	0
Agency for International Dvlpmt	264,475	98,989	7,545	0	23,327	0	132,600	0	0	2,014
Appalachian Regional Commission	900	100	0	0	0	0	0	0	800	0
Environmental Protection Agency	305,342	68,055	113,407	0	58,223	0	0	0	65,657	0
Federal Communications Commission	2,231	2,231	0	0	0	0	0	0	0	0
Federal Trade Commission	934	934	0	0	0	0	0	0	0	0
Library of Congress	1,593	1,593	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	1,896,760	815,607	757,587	0	142,849	101,914	66,288	121	1,329	11,065
National Archives & Records Admin	120	120	0	0	0	0	0	0	0	0
National Science Foundation	175,246	1,111	27,207	50	141,449	124	4,417	0	873	15
Nuclear Regulatory Commission	112,329	23,221	9,563	38,100	5,348	19,712	611	13,194	0	2,580
Tennessee Valley Authority	22,955	16,880	0	0	6,075	0	0	0	0	0
US Arms Control & Disarmament Agcy	1,050	296	754	0	0	0	0	0	0	0
United States Information Agency	183	183	0	0	0	0	0	0	0	0
US International Trade Commission	12,511	12,511	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-40. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1993	Estimates	
		1994	1995
Total, all fields	13,491,376	13,990,162	13,960,159
Life sciences, total	4,483,283	4,676,410	4,710,755
Biological (excluding environmental)	1,508,134	1,589,484	1,711,132
Environmental biology	333,336	348,633	352,278
Agricultural	430,056	414,149	408,976
Medical	2,023,548	2,113,635	2,042,167
Life sciences, n.e.c	188,209	210,509	196,202
Psychology, total	303,897	313,118	305,058
Biological aspects	19,115	21,122	17,677
Social aspects	118,723	117,247	105,515
Psychological sciences, n.e.c	166,059	174,749	181,866
Physical sciences, total	1,519,826	1,502,073	1,478,785
Astronomy	22,845	25,905	20,484
Chemistry	299,467	345,737	364,930
Physics	1,037,739	931,451	961,235
Physical sciences, n.e.c	159,775	198,980	132,136
Environmental sciences, total	1,075,019	1,256,830	1,164,328
Atmospheric	348,996	420,842	353,481
Geological	242,563	259,470	294,809
Oceanography	260,196	307,564	275,321
Environmental sciences, n.e.c.	223,264	268,954	240,717
Mathematics & computer sciences, total	714,138	846,365	943,122
Mathematics	68,944	75,321	88,738
Computer sciences	541,751	630,515	684,679
Mathematics & computer sciences, n.e.c	103,443	140,529	169,705
Engineering, total	4,292,014	4,375,472	4,343,054
Aeronautical	946,849	1,051,329	1,015,356
Astronautical	440,393	427,089	390,317
Chemical	172,742	186,536	193,416
Civil	213,323	329,265	293,563
Electrical	678,376	537,684	608,186
Mechanical	324,254	234,851	253,064
Metallurgy & materials	454,344	517,553	516,849
Engineering, n.e.c.	1,061,733	1,091,165	1,072,303
Social sciences, total	480,788	516,328	492,503
Anthropology	3,714	5,248	5,337
Economics	158,723	167,044	160,327
Political science	22,829	8,519	16,280
Sociology	65,623	64,908	56,532
Social sciences, n.e.c	229,899	270,609	254,027
Other sciences, n.e.c.	622,411	503,566	522,554

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-41. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences n.e.c.
Total, all agencies	13,491,376	4,483,283	303,897	1,519,826	1,075,019	714,138	4,292,014	480,788	622,411
Departments									
Department of Agriculture, total	635,784	433,725	430	44,533	7,681	11,435	40,854	95,090	2,036
Agricultural Cooperative Service	2,902	0	0	0	0	0	0	2,902	0
Agricultural Marketing Service[1]	4,118	4,118	0	0	0	0	0	0	0
Agricultural Research Service	233,293	199,785	13	25,721	1,732	960	5,070	12	0
Cooperative State Research Svc	226,191	156,285	0	14,918	2,216	0	16,558	36,214	0
Economic Research Service	48,319	0	0	0	0	0	0	48,319	0
Federal Grain Inspection Service	1,773	1,773	0	0	0	0	0	0	0
Forest Service	107,800	62,981	417	3,894	3,733	7,870	19,226	7,643	2,036
Human Nutrition Information Svc	8,397	8,397	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,605	0	0	0	0	2,605	0	0	0
Office of International Cooperation & Development[2]	386	386	0	0	0	0	0	0	0
Department of Commerce, total	544,874	93,588	257	55,344	224,712	37,686	86,062	15,205	32,020
Bureau of the Census	2,948	0	257	0	0	1,859	0	760	72
National Institute of Standards & Technology	136,368	1,169	0	39,531	199	20,988	74,178	303	0
National Oceanic & Atmospheric Administration	401,391	92,419	0	15,813	224,513	14,839	7,717	14,142	31,948
National Telecommunications & Information Administration	4,167	0	0	0	0	0	4,167	0	0
Department of Defense, total	3,515,246	212,513	71,417	469,039	94,206	410,139	1,995,888	1,534	260,510
Department of the Army	802,835	104,326	24,209	60,628	29,987	80,096	473,873	1,231	28,485
Department of the Navy	574,106	16,505	16,674	148,727	19,556	19,443	348,401	0	4,800
Department of the Air Force	669,080	40,268	30,534	116,378	2,611	46,479	423,248	303	9,259
Defense agencies, total	1,469,225	51,414	0	143,306	42,052	264,121	750,366	0	217,966
Advanced Rsch Projects Agency	819,943	0	0	6,290	26,642	254,922	526,539	0	5,550
Ballistic Missile Defense Organization	125,753	0	0	45,000	4,000	7,060	69,693	0	0
Defense Nuclear Agency	424,124	24,796	0	91,302	10,710	2,089	82,811	0	212,416
Special Operations Command	39,603	1,072	0	0	0	0	38,531	0	0
Washington Headquarters Svcs	59,802	25,546	0	714	700	50	32,792	0	0
Department of Education	128,272	12,559	3,236	0	0	1,265	6,027	105,185	0
Department of Energy	1,685,383	60,720	0	788,253	156,494	116,819	548,245	500	14,352
Dept of Health & Human Svcs, total	3,495,916	2,872,524	158,771	36,440	0	22,145	32,803	130,834	242,399
Administration on Aging[3]	2,676	0	0	0	0	0	0	2,676	0
Admin for Children & Families[3]	18,548	0	0	0	0	0	0	18,548	0
Agency for Health Care Policy & Research[4]	105,616	37,728	0	0	0	3,820	0	36,859	27,209
Centers for Disease Control	162,511	162,511	0	0	0	0	0	0	0
Food & Drug Administration	154,500	154,500	0	0	0	0	0	0	0
Health Care Financing Admin	68,179	68,179	0	0	0	0	0	0	0
Health Resources & Svcs Admin	8,491	8,491	0	0	0	0	0	0	0
National Institutes of Health	2,942,913	2,441,115	158,771	36,440	0	18,325	32,803	40,269	215,190
Office of the Secretary	8,002	0	0	0	0	0	0	8,002	0
Social Security Administration	24,480	0	0	0	0	0	0	24,480	0
Department of Housing & Urban Dvlpmt	8,057	0	0	0	34	135	389	7,499	0

See explanatory information, if any, and SOURCE at end of table

Table C-41. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	349,821	93,272	0	24,481	132,105	12,759	76,754	5,585	4,865
Bureau of Land Management	7,365	5,762	0	0	1,568	0	0	35	0
Bureau of Mines	60,370	0	0	0	3,374	0	56,996	0	0
Bureau of Reclamation	7,434	0	0	0	0	0	7,434	0	0
Geological Survey	165,854	1,797	0	24,481	119,369	12,259	7,848	100	0
Minerals Management Service	5,776	0	0	0	1,300	0	4,476	0	0
National Park Service	37,515	20,700	0	0	6,000	500	0	5,450	4,865
Office of the Secretary	200	0	0	0	200	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	497	203	0	0	294	0	0	0	0
US Fish & Wildlife Service	64,810	64,810	0	0	0	0	0	0	0
Department of Justice, total	20,537	600	1,000	0	0	400	400	17,032	1,105
Bureau of Prisons[5]	2,500	0	500	0	0	0	0	2,000	0
Drug Enforcement Administration	15	0	0	0	0	0	0	0	15
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	17,622	600	500	0	0	400	0	15,032	1,090
Department of Labor, total	13,407	0	0	0	0	0	0	13,407	0
Bureau of Labor Statistics	1,500	0	0	0	0	0	0	1,500	0
Employment & Training Admin	3,309	0	0	0	0	0	0	3,309	0
Occupational Safety & Health Administration	2,458	0	0	0	0	0	0	2,458	0
Office of the Secretary	2,850	0	0	0	0	0	0	2,850	0
Pension Benefit Guaranty Corporation	680	0	0	0	0	0	0	680	0
Pension & Welfare Benefit Admin	2,610	0	0	0	0	0	0	2,610	0
Department of State	492	0	0	0	0	0	0	492	0
Department of Transportation, total	224,405	8,849	35,095	2,439	4,014	30,762	116,293	22,717	4,236
Coast Guard	8,233	0	967	0	982	2,003	4,281	0	0
Federal Aviation Administration	59,807	4,822	25,917	1,186	0	2,368	25,514	0	0
Federal Highway Administration	90,052	134	8,211	0	3,032	19,350	47,658	7,512	4,155
Federal Railroad Administration	20,876	0	0	1,253	0	0	15,448	4,175	0
Federal Transit Administration[6]	10,946	100	0	0	0	25	4,247	6,574	0
Maritime Administration	1,741	0	0	0	0	0	1,741	0	0
National Highway Traffic Safety Administration	31,611	3,793	0	0	0	6,835	16,636	4,347	0
Office of the Secretary	645	0	0	0	0	50	550	45	0
Research & Special Programs Administration	494	0	0	0	0	131	218	64	81
Department of the Treasury, total	4,623	157	393	3,335	0	0	0	738	0
Bureau of Engraving & Printing	3,235	0	0	3,235	0	0	0	0	0
Office of Thrift Supervision[7]	738	0	0	0	0	0	0	738	0
United States Customs Service	100	0	0	100	0	0	0	0	0
United States Secret Service[8]	550	157	393	0	0	0	0	0	0
Department of Veterans Affairs	194,079	178,651	15,213	0	0	0	215	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-41. Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	2,098	0	0	0	0	0	0	2,098	0
Agency for International Dvlpmt	350,846	269,679	0	0	2,474	6,650	1,100	38,405	32,538
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Consumer Product Safety Commission	795	0	0	375	0	0	420	0	0
Environmental Protection Agency	272,385	71,452	0	0	171,388	0	29,545	0	0
Federal Communications Commission	1,625	0	0	0	0	123	1,076	426	0
Federal Trade Commission	877	0	0	0	0	0	0	877	0
Library of Congress	1,438	0	0	0	0	0	0	0	1,438
National Aeronautics & Space Admin	1,748,641	159,436	13,429	75,552	276,096	48,098	1,170,995	0	5,035
National Archives & Records Admin	140	0	0	140	0	0	0	0	0
National Science Foundation	138,119	13,614	4,656	14,476	4,876	15,298	61,884	9,101	14,214
Nuclear Regulatory Commission	119,781	0	0	0	0	0	119,781	0	0
Tennessee Valley Authority	18,065	1,944	0	4,920	939	0	2,158	441	7,663
US Arms Control & Disarmament Agcy	1,493	0	0	499	0	424	0	570	0
United States Information Agency	1,125	0	0	0	0	0	1,125	0	0
US International Trade Commission	12,152	0	0	0	0	0	0	12,152	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] Formerly listed as Federal Prison System.

[6] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[7] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[8] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-42. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	13,990,162	4,676,410	313,118	1,502,073	1,256,830	846,365	4,375,472	516,328	503,566
Departments									
Department of Agriculture, total	662,796	458,234	454	45,988	7,947	11,662	43,331	93,025	2,155
Agricultural Cooperative Service	2,412	0	0	0	0	0	0	2,412	0
Agricultural Marketing Service[1]	4,241	4,241	0	0	0	0	0	0	0
Agricultural Research Service	244,830	209,881	13	26,517	1,770	986	5,651	12	0
Cooperative State Research Svc	235,803	163,654	0	15,350	2,227	0	17,329	37,243	0
Economic Research Service	45,268	0	0	0	0	0	0	45,268	0
Federal Grain Inspection Service	1,791	1,791	0	0	0	0	0	0	0
Forest Service	114,100	66,662	441	4,121	3,950	8,330	20,351	8,090	2,155
Foreign Agricultural Service[2]	352	352	0	0	0	0	0	0	0
Human Nutrition Information Svc	11,653	11,653	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,346	0	0	0	0	2,346	0	0	0
Department of Commerce, total	766,834	102,838	876	86,275	319,511	71,237	134,811	16,906	34,380
Bureau of the Census	2,904	0	253	0	0	1,831	0	749	71
Economic Development Admin	500	0	0	0	0	0	0	500	0
National Institute of Standards & Technology	251,100	4,420	0	69,764	369	53,540	122,523	484	0
National Oceanic & Atmospheric Administration	507,775	98,418	623	16,511	319,142	15,866	7,733	15,173	34,309
National Telecommunications & Information Administration	4,555	0	0	0	0	0	4,555	0	0
Department of Defense, total	3,044,028	179,036	72,474	408,567	89,489	460,920	1,721,027	1,505	111,010
Department of the Army	661,777	89,996	24,230	65,541	28,178	54,017	393,602	1,060	5,153
Department of the Navy	441,869	13,814	13,955	115,785	16,367	16,273	261,658	0	4,017
Department of the Air Force	661,967	42,806	34,289	125,679	2,684	53,439	395,944	445	6,681
Defense agencies, total	1,278,415	32,420	0	101,562	42,260	337,191	669,823	0	95,159
Advanced Rsch Projects Agency	876,253	0	0	11,233	26,083	330,165	502,779	0	5,993
Ballistic Missile Defense Organization	71,182	0	0	28,000	3,510	4,118	35,554	0	0
Defense Info Systems Agency	1,662	0	0	0	0	0	0	0	1,662
Defense Nuclear Agency	224,219	5,581	0	61,579	12,167	2,858	55,730	0	86,304
Special Operations Command	62,141	2,761	0	0	0	0	58,180	0	1,200
Washington Headquarters Svcs	42,958	24,078	0	750	500	50	17,580	0	0
Department of Education	132,874	12,613	3,221	0	0	1,259	6,005	109,776	0
Department of Energy	1,700,121	88,207	0	740,905	205,591	91,475	549,055	941	23,947
Dept of Health & Human Svcs, total	3,750,666	3,078,792	166,910	38,301	0	24,619	34,496	149,784	257,764
Administration on Aging[3]	2,474	0	0	0	0	0	0	2,474	0
Admin for Children & Families[3]	14,777	0	0	0	0	0	0	14,777	0
Agency for Health Care Policy & Research[4]	129,899	47,038	0	0	0	5,345	0	45,969	31,547
Centers for Disease Control	202,921	202,921	0	0	0	0	0	0	0
Food & Drug Administration	168,300	168,300	0	0	0	0	0	0	0
Health Care Financing Admin	85,982	85,982	0	0	0	0	0	0	0
Health Resources & Svcs Admin	8,290	8,290	0	0	0	0	0	0	0
National Institutes of Health	3,093,782	2,566,261	166,910	38,301	0	19,274	34,496	42,323	226,217
Office of the Secretary	11,741	0	0	0	0	0	0	11,741	0
Social Security Administration	32,500	0	0	0	0	0	0	32,500	0
Department of Housing & Urban Dvlpmt	14,051	0	0	0	0	239	397	12,652	763

See explanatory information, if any, and SOURCE at end of table.

Table C-42. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	360,664	92,196	0	26,650	139,368	12,974	77,011	12,465	0
Bureau of Mines	62,198	0	0	0	4,511	0	57,687	0	0
Bureau of Reclamation	7,249	0	0	0	0	0	7,249	0	0
Geological Survey	177,271	1,936	0	26,650	127,454	12,774	8,357	100	0
Minerals Management Service	5,021	0	0	0	1,303	0	3,718	0	0
National Biological Survey	90,260	90,260	0	0	0	0	0	0	0
National Park Service	18,665	0	0	0	6,100	200	0	12,365	0
Department of Justice, total	17,827	350	950	0	0	500	400	14,803	824
Bureau of Prisons[5]	2,500	0	500	0	0	0	0	2,000	0
Drug Enforcement Administration	72	0	0	0	0	0	0	0	72
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	14,855	350	450	0	0	500	0	12,803	752
Department of Labor, total	15,279	0	0	0	0	0	0	15,279	0
Bureau of Labor Statistics	1,500	0	0	0	0	0	0	1,500	0
Employment & Training Admin	3,852	0	0	0	0	0	0	3,852	0
Occupational Safety & Health Administration	3,687	0	0	0	0	0	0	3,687	0
Office of the Secretary	3,093	0	0	0	0	0	0	3,093	0
Pension Benefit Guaranty Corporation	517	0	0	0	0	0	0	517	0
Pension & Welfare Benefit Admin	2,630	0	0	0	0	0	0	2,630	0
Department of State	488	0	0	0	0	0	0	488	0
Department of Transportation, total	344,751	8,747	30,474	2,913	4,669	27,488	222,367	33,419	14,674
Coast Guard	5,948	0	694	0	706	1,492	3,056	0	0
Federal Aviation Administration	75,289	4,233	27,868	1,658	0	1,265	40,265	0	0
Federal Highway Administration	201,632	1,170	1,912	0	3,902	19,730	142,956	17,497	14,465
Federal Railroad Administration	20,917	0	0	1,255	0	0	15,479	4,183	0
Federal Transit Administration[6]	11,786	107	0	0	0	26	4,516	7,137	0
Maritime Administration	1,745	0	0	0	0	0	1,745	0	0
National Highway Traffic Safety Administration	25,315	3,237	0	0	0	4,794	12,916	4,368	0
Office of the Secretary	691	0	0	0	61	0	585	45	0
Research & Special Programs Administration	1,428	0	0	0	0	181	849	189	209
Department of the Treasury, total	5,599	160	411	4,143	0	136	301	448	0
Bureau of Engraving & Printing	4,230	0	0	3,793	0	136	301	0	0
Office of Thrift Supervision[7]	448	0	0	0	0	0	0	448	0
United States Customs Service	350	0	0	350	0	0	0	0	0
United States Secret Service[8]	571	160	411	0	0	0	0	0	0
Department of Veterans Affairs	210,317	193,598	16,486	0	0	0	233	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-42. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 3 of 3

Agency and subdivision	Total	Life sciences	Psy-chology	Physical sciences	Environ-mental sciences	Mathe-matics and com-puter sciences	Engi-neering	Social sciences	Other sciences, n.e.c.
Other agencies:									
Advisory Commission on Intergovernmental Relations	1,175	0	0	0	0	0	0	1,175	0
Agency for International Dvlpmt	270,175	207,827	0	0	130	5,950	800	27,748	27,720
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Consumer Product Safety Commission	192	0	0	140	0	0	52	0	0
Environmental Protection Agency	306,337	77,510	0	0	186,194	0	42,633	0	0
Federal Communications Commission	1,735	0	0	0	0	123	1,092	520	0
Federal Trade Commission	884	0	0	0	0	0	0	884	0
Library of Congress	1,565	0	0	0	0	0	0	0	1,565
National Aeronautics & Space Admin	2,074,095	159,192	15,976	123,958	297,214	120,206	1,351,453	0	6,096
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	155,601	14,618	4,886	17,481	5,579	17,146	72,214	10,132	13,545
Nuclear Regulatory Commission	114,417	0	0	0	0	0	114,417	0	0
Tennessee Valley Authority	21,955	2,413	0	6,107	1,086	0	2,679	547	9,123
US Arms Control & Disarmament Agcy	1,323	79	0	525	52	431	0	236	0
United States Information Agency	698	0	0	0	0	0	698	0	0
US International Trade Commission	12,695	0	0	0	0	0	0	12,695	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] Formerly listed as Federal Prison System.

[6] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[7] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[8] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-43. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c
Total, all agencies	13,960,159	4,710,755	305,058	1,478,785	1,164,328	943,122	4,343,054	492,503	522,554
Departments:									
Department of Agriculture, total	653,887	457,863	498	44,459	7,681	12,581	41,631	86,802	2,372
Agricultural Cooperative Service	3,560	0	0	0	0	0	0	3,560	0
Agricultural Marketing Service[1]	4,174	4,174	0	0	0	0	0	0	0
Agricultural Research Service	251,304	214,673	13	27,610	1,861	1,038	6,097	12	0
Cooperative State Research Svc	202,331	145,086	0	12,312	1,471	0	13,133	30,329	0
Economic Research Service	43,996	0	0	0	0	0	0	43,996	0
Federal Grain Inspection Service	1,791	1,791	0	0	0	0	0	0	0
Forest Service	125,600	73,381	485	4,537	4,349	9,170	22,401	8,905	2,372
Foreign Agricultural Service[2]	355	355	0	0	0	0	0	0	0
Human Nutrition Information Svc	18,403	18,403	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	2,373	0	0	0	0	2,373	0	0	0
Department of Commerce, total	860,329	119,659	258	116,719	251,340	103,531	208,414	19,624	40,784
Bureau of the Census	2,958	0	258	0	0	1,865	0	763	72
Economic Development Admin	500	0	0	0	0	0	0	500	0
National Institute of Standards & Technology	387,551	8,153	0	98,407	1,078	82,971	196,262	680	0
National Oceanic & Atmospheric Administration	464,853	111,506	0	18,312	250,262	18,695	7,685	17,681	40,712
National Telecommunications & Information Administration	4,467	0	0	0	0	0	4,467	0	0
Department of Defense, total	3,018,484	156,958	68,889	407,145	86,944	499,864	1,686,547	1,021	111,116
Department of the Army	592,697	90,814	21,183	46,990	34,547	60,847	337,116	809	391
Department of the Navy	514,801	15,104	15,259	135,084	17,897	17,794	309,270	0	4,393
Department of the Air Force	666,865	35,365	32,447	121,001	3,080	52,941	410,312	212	11,507
Defense agencies, total	1,244,121	15,675	0	104,070	31,420	368,282	629,849	0	94,825
Advanced Rsch Projects Agency	817,439	0	0	9,003	13,402	355,605	436,744	0	2,685
Ballistic Missile Defense Organization	107,713	0	0	36,000	7,000	9,707	55,006	0	0
Defense Info Systems Agency	1,870	0	0	0	0	0	0	0	1,870
Defense Nuclear Agency	232,061	4,205	0	58,267	11,018	2,970	68,081	0	87,520
Special Operations Command	55,732	1,700	0	0	0	0	52,632	0	1,400
Washington Headquarters Svcs	29,306	9,770	0	800	0	0	17,386	0	1,350
Department of Education	131,176	12,704	3,235	0	0	1,267	6,025	107,945	0
Department of Energy	1,716,113	75,006	0	705,318	237,950	94,245	565,915	1,520	36,159
Dept of Health & Human Svcs, total	3,851,931	3,193,467	171,937	38,903	0	23,888	35,324	130,953	257,459
Administration on Aging[3]	2,700	0	0	0	0	0	0	2,700	0
Admin for Children & Families[3]	14,583	0	0	0	0	0	0	14,583	0
Agency for Health Care Policy & Research[4]	99,500	35,900	0	0	0	4,079	0	35,084	24,437
Centers for Disease Control	202,921	202,921	0	0	0	0	0	0	0
Food & Drug Administration	168,600	168,600	0	0	0	0	0	0	0
Health Care Financing Admin	68,620	68,620	0	0	0	0	0	0	0
Health Resources & Svcs Admin	7,320	7,320	0	0	0	0	0	0	0
National Institutes of Health	3,252,687	2,710,106	171,937	38,903	0	19,809	35,324	43,586	233,022
Office of the Secretary	13,000	0	0	0	0	0	0	13,000	0
Social Security Administration	22,000	0	0	0	0	0	0	22,000	0
Department of Housing & Urban Dvlpmt	14,805	0	0	0	0	378	247	13,424	756

See explanatory information, if any, and SOURCE at end of table.

Table C-43. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 2 of 3

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Department of the Interior, total	391,722	104,121	0	26,206	163,693	12,710	72,630	12,362	0
Bureau of Mines	61,004	0	0	0	4,872	0	56,132	0	0
Bureau of Reclamation	4,510	0	0	0	0	0	4,510	0	0
Geological Survey	200,431	1,901	0	26,206	151,515	12,510	8,202	97	0
Minerals Management Service	5,092	0	0	0	1,306	0	3,786	0	0
National Biological Survey	102,220	102,220	0	0	0	0	0	0	0
National Park Service	18,465	0	0	0	6,000	200	0	12,265	0
Department of Justice, total	17,789	700	750	0	0	0	400	15,367	572
Bureau of Prisons[5]	2,450	0	450	0	0	0	0	2,000	0
Drug Enforcement Administration	72	0	0	0	0	0	0	0	72
Immigration & Naturalization Svc	400	0	0	0	0	0	400	0	0
Office of Justice Programs	14,867	700	300	0	0	0	0	13,367	500
Department of Labor, total	18,421	0	0	0	0	0	0	18,421	0
Bureau of Labor Statistics	1,500	0	0	0	0	0	0	1,500	0
Employment & Training Admin	5,615	0	0	0	0	0	0	5,615	0
Occupational Safety & Health Administration	5,350	0	0	0	0	0	0	5,350	0
Office of the Secretary	3,067	0	0	0	0	0	0	3,067	0
Pension Benefit Guaranty Corporation	169	0	0	0	0	0	0	169	0
Pension & Welfare Benefit Admin	2,720	0	0	0	0	0	0	2,720	0
Department of State	502	0	0	0	0	0	0	502	0
Department of Transportation, total	307,987	7,235	29,627	2,727	5,853	24,913	188,187	30,896	18,549
Coast Guard	5,072	0	629	0	638	1,273	2,532	0	0
Federal Aviation Administration	72,702	4,233	27,520	1,319	0	3,892	35,738	0	0
Federal Highway Administration	166,444	486	1,478	0	5,154	15,255	110,577	15,075	18,419
Federal Railroad Administration	16,725	0	0	1,338	0	0	13,213	2,174	0
Federal Transit Administration[6]	16,570	100	0	0	0	25	7,139	9,306	0
Maritime Administration	3,627	0	0	0	0	0	3,627	0	0
National Highway Traffic Safety Administration	24,513	2,416	0	0	0	4,304	13,698	4,095	0
Office of the Secretary	931	0	0	70	61	0	725	75	0
Research & Special Programs Administration	1,403	0	0	0	0	164	938	171	130
Department of the Treasury, total	3,679	160	423	2,170	0	200	235	491	0
Bureau of Engraving & Printing	1,955	0	0	1,520	0	200	235	0	0
Office of Thrift Supervision[7]	491	0	0	0	0	0	0	491	0
United States Customs Service	650	0	0	650	0	0	0	0	0
United States Secret Service[8]	583	160	423	0	0	0	0	0	0
Department of Veterans Affairs	175,130	161,330	13,105	0	0	0	695	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-43. Estimated Federal obligations for applied research, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Other agencies									
Advisory Commission on Intergovernmental Relations	1,575	0	0	0	0	0	0	1,575	0
Agency for International Dvlpmt	264,475	211,632	0	0	90	3,850	980	24,745	23,178
Appalachian Regional Commission	900	0	0	0	0	0	0	900	0
Environmental Protection Agency	305,342	84,411	0	0	130,669	0	90,262	0	0
Federal Communications Commission	2,231	0	0	0	0	128	1,778	325	0
Federal Trade Commission	934	0	0	0	0	0	0	934	0
Library of Congress	1,593	0	0	0	0	0	0	0	1,593
National Aeronautics & Space Admin	1,896,760	107,675	11,296	109,521	272,802	146,089	1,243,282	0	6,095
National Archives & Records Admin	120	0	0	120	0	0	0	0	0
National Science Foundation	175,246	15,264	5,040	18,829	6,171	18,884	85,189	11,487	14,382
Nuclear Regulatory Commission	112,329	0	0	0	0	0	112,329	0	0
Tennessee Valley Authority	22,955	2,523	0	6,385	1,135	0	2,801	572	9,539
US Arms Control & Disarmament Agcy	1,050	47	0	283	0	594	0	126	0
United States Information Agency	183	0	0	0	0	0	183	0	0
US International Trade Commission	12,511	0	0	0	0	0	0	12,511	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] Formerly listed as Federal Prison System.

[6] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[7] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[8] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-44. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Total, all agencies	303,897	19,115	118,723	166,059	4,483,283	1,508,134	333,336	430,056	2,023,548	188,209
Departments										
Department of Agriculture, total	430	0	430	0	433,725	49,521	118,808	254,153	11,243	0
Agricultural Marketing Service[1]	0	0	0	0	4,118	0	0	4,118	0	0
Agricultural Research Service	13	0	13	0	199,785	5,055	30,884	160,019	3,827	0
Cooperative State Research Svc	0	0	0	0	156,285	31,420	41,524	78,399	4,942	0
Federal Grain Inspection Service	0	0	0	0	1,773	0	0	1,773	0	0
Forest Service	417	0	417	0	62,981	13,046	46,400	1,061	2,474	0
Human Nutrition Information Svc	0	0	0	0	8,397	0	0	8,397	0	0
Office of International Cooperation & Development[2]	0	0	0	0	386	0	0	386	0	0
Department of Commerce, total	257	0	257	0	93,588	16,626	58,872	13,308	4,344	438
Bureau of the Census	257	0	257	0	0	0	0	0	0	0
National Institute of Standards & Technology	0	0	0	0	1,169	524	0	0	645	0
National Oceanic & Atmospheric Administration	0	0	0	0	92,419	16,102	58,872	13,308	3,699	438
Department of Defense, total	71,417	3,520	67,367	530	212,513	41,708	27,817	0	137,417	5,571
Department of the Army	24,209	815	23,394	0	104,326	9,400	1,409	0	91,721	1,796
Department of the Navy	16,674	2,551	14,123	0	16,505	5,482	1,915	0	9,108	0
Department of the Air Force	30,534	154	29,850	530	40,268	0	24,493	0	13,072	2,703
Defense agencies, total	0	0	0	0	51,414	26,826	0	0	23,516	1,072
Defense Nuclear Agency	0	0	0	0	24,796	22,228	0	0	2,568	0
Special Operations Command	0	0	0	0	1,072	0	0	0	0	1,072
Washington Headquarters Svcs	0	0	0	0	25,546	4,598	0	0	20,948	0
Department of Education	3,236	0	2,265	971	12,559	0	0	0	4,819	7,740
Department of Energy	0	0	0	0	60,720	7,385	1,128	398	48,915	2,894
Dept of Health & Human Svcs, total	158,771	0	0	158,771	2,872,524	1,259,219	2,952	59,300	1,421,121	129,932
Agency for Health Care Policy & Research[3]	0	0	0	0	37,728	0	0	0	32,535	5,193
Centers for Disease Control	0	0	0	0	162,511	0	0	0	162,511	0
Food & Drug Administration	0	0	0	0	154,500	76,000	0	59,300	0	19,200
Health Care Financing Admin	0	0	0	0	68,179	0	0	0	0	68,179
Health Resources & Svcs Admin	0	0	0	0	8,491	0	0	0	8,491	0
National Institutes of Health	158,771	0	0	158,771	2,441,115	1,183,219	2,952	0	1,217,584	37,360
Department of the Interior, total	0	0	0	0	93,272	43,349	45,445	4,278	0	200
Bureau of Land Management	0	0	0	0	5,762	403	1,146	4,213	0	0
Geological Survey	0	0	0	0	1,797	816	916	65	0	0
National Park Service	0	0	0	0	20,700	1,300	19,200	0	0	200
Office of Surface Mining Reclamation & Enforcement	0	0	0	0	203	0	203	0	0	0
US Fish & Wildlife Service	0	0	0	0	64,810	40,830	23,980	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-44. Federal obligations for applied research in psychology and life sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Psychology				Life sciences					
	Total	Biological aspects	Social aspects	Psychological sciences, n.e.c.	Total	Biological	Environmental biology	Agricultural	Medical	Life sciences, n.e.c.
Department of Justice, total	1,000	200	600	200	600	300	300	0	0	0
Bureau of Prisons[4]	500	0	300	200	0	0	0	0	0	0
Office of Justice Programs	500	200	300	0	600	300	300	0	0	0
Department of Transportation, total	35,095	0	35,095	0	8,849	3,340	134	0	4,822	553
Coast Guard	967	0	967	0	0	0	0	0	0	0
Federal Aviation Administration	25,917	0	25,917	0	4,822	0	0	0	4,822	0
Federal Highway Administration	8,211	0	8,211	0	134	0	134	0	0	0
Federal Transit Administration[5]	0	0	0	0	100	0	0	0	0	100
National Highway Traffic Safety Administration	0	0	0	0	3,793	3,340	0	0	0	453
Department of the Treasury, total	393	0	0	393	157	0	0	0	157	0
United States Secret Service[6]	393	0	0	393	157	0	0	0	157	0
Department of Veterans Affairs	15,213	15,166	47	0	178,651	27,983	0	0	150,668	0
Other agencies										
Agency for International Dvlpmt	0	0	0	0	269,679	0	11,119	96,675	129,740	32,145
Environmental Protection Agency	0	0	0	0	71,452	0	58,545	0	12,907	0
National Aeronautics & Space Admin	13,429	0	12,479	950	159,436	49,924	5,036	0	97,395	7,081
National Science Foundation	4,656	229	183	4,244	13,614	8,779	3,180	0	0	1,655
Tennessee Valley Authority	0	0	0	0	1,944	0	0	1,944	0	0

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[4] Formerly listed as Federal Prison System.

[5] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[6] Formerly listed as Office of Protective Research.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-45. Federal obligations for applied research in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,519,826	22,845	299,467	1,037,739	159,775	1,075,019	348,996	242,563	260,196	223,264
Departments:										
Department of Agriculture, total	44,533	17	42,132	2,384	0	7,681	6,654	1,027	0	0
Agricultural Research Service	25,721	0	24,396	1,325	0	1,732	1,525	207	0	0
Cooperative State Research Svc	14,918	17	14,901	0	0	2,216	2,216	0	0	0
Forest Service	3,894	0	2,835	1,059	0	3,733	2,913	820	0	0
Department of Commerce, total	55,344	0	19,764	35,575	5	224,712	68,679	5,391	147,560	3,082
National Institute of Standards & Technology	39,531	0	11,369	28,157	5	199	0	199	0	0
National Oceanic & Atmospheric Administration	15,813	0	8,395	7,418	0	224,513	68,679	5,192	147,560	3,082
Department of Defense, total	469,039	0	63,709	366,602	38,728	94,206	24,087	30,298	14,457	25,364
Department of the Army	60,628	0	28,183	19,083	13,362	29,987	6,815	553	131	22,488
Department of the Navy	148,727	0	13,962	131,458	3,307	19,556	3,695	1,735	14,126	0
Department of the Air Force	116,378	0	9,564	106,814	0	2,611	1,119	1,492	0	0
Defense agencies, total	143,306	0	12,000	109,247	22,059	42,052	12,458	26,518	200	2,876
Advanced Rsch Projects Agency	6,290	0	0	5,993	297	26,642	0	26,518	0	124
Ballistic Missile Defense Organization	45,000	0	12,000	33,000	0	4,000	4,000	0	0	0
Defense Nuclear Agency	91,302	0	0	69,540	21,762	10,710	7,958	0	0	2,752
Washington Headquarters Svcs	714	0	0	714	0	700	500	0	200	0
Department of Energy	788,253	12,229	106,659	570,575	98,790	156,494	8,653	61,077	492	86,272
Dept of Health & Human Svcs, total	36,440	0	31,342	5,098	0	0	0	0	0	0
National Institutes of Health	36,440	0	31,342	5,098	0	0	0	0	0	0
Department of Housing & Urban Dvlpmt	0	0	0	0	0	34	0	0	0	34
Department of the Interior, total	24,481	0	20,401	4,080	0	132,105	3,175	108,136	18,821	1,973
Bureau of Land Management	0	0	0	0	0	1,568	150	813	0	605
Bureau of Mines	0	0	0	0	0	3,374	0	3,206	0	168
Geological Survey	24,481	0	20,401	4,080	0	119,369	225	101,623	17,521	0
Minerals Management Service	0	0	0	0	0	1,300	0	0	1,300	0
National Park Service	0	0	0	0	0	6,000	2,800	2,200	0	1,000
Office of the Secretary	0	0	0	0	0	200	0	0	0	200
Office of Surface Mining Reclamation & Enforcement	0	0	0	0	0	294	0	294	0	0
Department of Transportation, total	2,439	0	0	2,439	0	4,014	3,032	0	982	0
Coast Guard	0	0	0	0	0	982	0	0	982	0
Federal Aviation Administration	1,186	0	0	1,186	0	0	0	0	0	0
Federal Highway Administration	0	0	0	0	0	3,032	3,032	0	0	0
Federal Railroad Administration	1,253	0	0	1,253	0	0	0	0	0	0
Department of the Treasury, total	3,335	0	240	266	2,829	0	0	0	0	0
Bureau of Engraving & Printing	3,235	0	240	166	2,829	0	0	0	0	0
United States Customs Service	100	0	0	100	0	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	0	0	0	0	0	2,474	0	0	0	2,474
Consumer Product Safety Commission	375	0	375	0	0	0	0	0	0	0
Environmental Protection Agency	0	0	0	0	0	171,388	76,432	10,564	349	84,043
National Aeronautics & Space Admin	75,552	10,406	6,076	48,484	10,586	276,096	157,086	23,715	76,330	18,965
National Archives & Records Admin	140	0	80	60	0	0	0	0	0	0
National Science Foundation	14,476	193	3,441	2,176	8,666	4,876	259	2,355	1,205	1,057
Tennessee Valley Authority	4,920	0	4,920	0	0	939	939	0	0	0
US Arms Control & Disarmament Agcy	499	0	328	0	171	0	0	0	0	0

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-46. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metallurgy and materials	Engi-neering, n.e.c.
Total, all agencies	4,292,014	946,849	440,393	172,742	213,323	678,376	324,254	454,344	1,061,733
Departments									
Department of Agriculture, total	40,854	0	0	3,388	3,996	388	2,520	0	30,562
Agricultural Research Service	5,070	0	0	2,144	1,249	349	296	0	1,032
Cooperative State Research Svc	16,558	0	0	0	0	0	0	0	16,558
Forest Service	19,226	0	0	1,244	2,747	39	2,224	0	12,972
Department of Commerce, total	86,062	0	0	5,656	5,959	23,183	4,839	21,945	24,480
National Institute of Standards & Technology	74,178	0	0	5,656	5,959	17,056	4,839	21,945	18,723
National Oceanic & Atmospheric Administration	7,717	0	0	0	0	1,960	0	0	5,757
National Telecommunications & Information Administration	4,167	0	0	0	0	4,167	0	0	0
Department of Defense, total	1,995,888	190,514	102,537	57,639	88,261	578,666	262,654	371,785	343,832
Department of the Army	473,873	48,205	404	18,598	41,539	177,240	137,517	27,652	22,718
Department of the Navy	348,401	8,449	52,989	8,449	15,680	121,017	71,913	57,247	12,657
Department of the Air Force	423,248	133,460	37,793	6,366	0	81,667	21,480	93,321	49,161
Defense agencies, total	750,366	400	11,351	24,226	31,042	198,742	31,744	193,565	259,296
Advanced Rsch Projects Agency	526,539	0	0	11,386	0	126,030	808	189,520	198,795
Ballistic Missile Defense Organization	69,693	400	6,000	9,000	0	39,131	12,000	3,162	0
Defense Nuclear Agency	82,811	0	5,351	2,909	11,727	26,655	15,167	0	21,002
Special Operations Command	38,531	0	0	0	0	0	0	0	38,531
Washington Headquarters Svcs	32,792	0	0	931	19,315	6,926	3,769	883	968
Department of Education	6,027	0	0	0	0	0	0	0	6,027
Department of Energy	548,245	0	0	77,221	32,288	42,653	23,695	3,172	369,216
Dept of Health & Human Svcs, total	32,803	0	0	0	0	0	0	0	32,803
National Institutes of Health	32,803	0	0	0	0	0	0	0	32,803
Department of Housing & Urban Dvlpmt	389	0	0	0	0	0	0	0	389
Department of the Interior, total	76,754	0	0	8,776	9,809	195	200	17,941	39,833
Bureau of Mines	56,996	0	0	0	0	0	0	17,706	39,290
Bureau of Reclamation	7,434	0	0	0	7,359	75	0	0	0
Geological Survey	7,848	0	0	6,528	1,000	120	200	0	0
Minerals Management Service	4,476	0	0	2,248	1,450	0	0	235	543

See explanatory information, if any, and SOURCE at end of table.

Table C-46. Federal obligations for applied research in engineering, by agency and detailed field of engineering: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering n.e.c.
Department of Justice, total	400	0	0	0	0	200	200	0	0
Immigration & Naturalization Svc	400	0	0	0	0	200	200	0	0
Department of Transportation, total	116,293	250	0	4,319	67,713	6,822	15,692	7,720	13,777
Coast Guard	4,281	0	0	0	668	1,919	935	759	0
Federal Aviation Administration	25,514	0	0	0	25,514	0	0	0	0
Federal Highway Administration	47,658	0	0	3,901	33,701	2,712	800	6,544	0
Federal Railroad Administration	15,448	0	0	418	6,054	2,088	5,845	417	626
Federal Transit Administration[1]	4,247	0	0	0	35	0	0	0	4,212
Maritime Administration	1,741	0	0	0	1,741	0	0	0	0
National Highway Traffic Safety Administration	16,636	0	0	0	0	3	8,112	0	8,521
Office of the Secretary	550	250	0	0	0	0	0	0	300
Research & Special Programs Administration	218	0	0	0	0	100	0	0	118
Department of Veterans Affairs	215	0	0	0	0	0	0	0	215
Other agencies:									
Agency for International Dvlpmt	1,100	0	0	0	1,100	0	0	0	0
Consumer Product Safety Commission	420	0	0	0	0	0	0	0	420
Environmental Protection Agency	29,545	0	0	1,852	0	0	0	0	27,693
Federal Communications Commission	1,076	0	0	0	0	1,076	0	0	0
National Aeronautics & Space Admin	1,170,995	755,988	337,856	454	0	15,410	6,653	28,178	26,456
National Science Foundation	61,884	97	0	11,279	4,197	8,658	7,801	3,603	26,249
Nuclear Regulatory Commission	119,781	0	0	0	0	0	0	0	119,781
Tennessee Valley Authority	2,158	0	0	2,158	0	0	0	0	0
United States Information Agency	1,125	0	0	0	0	1,125	0	0	0

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[1] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-47. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	714,138	68,944	541,751	103,443	480,788	3,714	158,723	22,829	65,623	229,899
Departments										
Department of Agriculture, total	11,435	10,596	839	0	95,090	17	88,756	0	6,317	0
Agricultural Cooperative Service	0	0	0	0	2,902	0	2,902	0	0	0
Agricultural Research Service	960	121	839	0	12	0	12	0	0	0
Cooperative State Research Svc	0	0	0	0	36,214	0	31,405	0	4,809	0
Economic Research Service	0	0	0	0	48,319	0	47,304	0	1,015	0
Forest Service	7,870	7,870	0	0	7,643	17	7,133	0	493	0
Nat'l Agricultural Statistics Svc	2,605	2,605	0	0	0	0	0	0	0	0
Department of Commerce, total	37,686	11,394	22,669	3,623	15,205	0	4,165	6,325	4,473	242
Bureau of the Census	1,859	1,613	246	0	760	0	415	345	0	0
National Institute of Standards & Technology	20,988	3,055	14,310	3,623	303	0	303	0	0	0
National Oceanic & Atmospheric Administration	14,839	6,726	8,113	0	14,142	0	3,447	5,980	4,473	242
Department of Defense, total	410,139	28,513	361,281	20,345	1,534	303	739	0	492	0
Department of the Army	80,096	8,382	59,858	11,856	1,231	0	739	0	492	0
Department of the Navy	19,443	545	17,908	990	0	0	0	0	0	0
Department of the Air Force	46,479	15,497	30,982	0	303	303	0	0	0	0
Defense agencies, total	264,121	4,089	252,533	7,499	0	0	0	0	0	0
Advanced Rsch Projects Agency	254,922	1,041	246,399	7,482	0	0	0	0	0	0
Ballistic Missile Defense Organization	7,060	3,048	3,995	17	0	0	0	0	0	0
Defense Nuclear Agency	2,089	0	2,089	0	0	0	0	0	0	0
Washington Headquarters Svcs	50	0	50	0	0	0	0	0	0	0
Department of Education	1,265	0	1,265	0	105,185	0	0	0	1,841	103,344
Department of Energy	116,819	800	82,549	33,470	500	370	130	0	0	0
Dept of Health & Human Svcs, total	22,145	8,116	13,862	167	130,834	0	1,652	40	32,530	96,612
Administration on Aging[1]	0	0	0	0	2,676	0	0	0	0	2,676
Admin for Children & Families[1]	0	0	0	0	18,548	0	0	0	0	18,548
Agency for Health Care Policy & Research[2]	3,820	456	3,197	167	36,859	0	1,652	40	31,467	3,700
National Institutes of Health	18,325	7,660	10,665	0	40,269	0	0	0	1,063	39,206
Office of the Secretary	0	0	0	0	8,002	0	0	0	0	8,002
Social Security Administration	0	0	0	0	24,480	0	0	0	0	24,480
Department of Housing & Urban Dvlpmt	135	0	135	0	7,499	0	7,194	0	0	305
Department of the Interior, total	12,759	2,452	10,307	0	5,585	2,485	0	0	2,000	1,100
Bureau of Land Management	0	0	0	0	35	35	0	0	0	0
Geological Survey	12,259	1,952	10,307	0	100	0	0	0	0	100
National Park Service	500	500	0	0	5,450	2,450	0	0	2,000	1,000

See explanatory information, if any, and SOURCE at end of table

Table C-47. Federal obligations for applied research in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Department of Justice, total	400	200	200	0	17,032	300	500	600	6,980	8,652
Bureau of Prisons[3]	0	0	0	0	2,000	100	100	0	1,100	700
Office of Justice Programs	400	200	200	0	15,032	200	400	600	5,880	7,952
Department of Labor, total	0	0	0	0	13,407	0	13,407	0	0	0
Bureau of Labor Statistics	0	0	0	0	1,500	0	1,500	0	0	0
Employment & Training Admin	0	0	0	0	3,309	0	3,309	0	0	0
Occupational Safety & Health Administration	0	0	0	0	2,458	0	2,458	0	0	0
Office of the Secretary	0	0	0	0	2,850	0	2,850	0	0	0
Pension Benefit Guaranty Corporation	0	0	0	0	680	0	680	0	0	0
Pension & Welfare Benefit Admin	0	0	0	0	2,610	0	2,610	0	0	0
Department of State	0	0	0	0	492	0	79	281	53	79
Department of Transportation, total	30,762	1,831	26,147	2,784	22,717	0	6,559	832	9,469	5,857
Coast Guard	2,003	0	2,003	0	0	0	0	0	0	0
Federal Aviation Administration	2,368	0	2,368	0	0	0	0	0	0	0
Federal Highway Administration	19,350	1,831	17,519	0	7,512	0	1,883	507	5,122	0
Federal Railroad Administration	0	0	0	0	4,175	0	4,175	0	0	0
Federal Transit Administration[4]	25	0	25	0	6,574	0	417	300	0	5,857
National Highway Traffic Safety Administration	6,835	0	4,101	2,734	4,347	0	0	0	4,347	0
Office of the Secretary	50	0	0	50	45	0	20	25	0	0
Research & Special Programs Administration	131	0	131	0	64	0	64	0	0	0
Department of the Treasury, total	0	0	0	0	738	0	738	0	0	0
Office of Thrift Supervision[5]	0	0	0	0	738	0	738	0	0	0
Other agencies:										
Advisory Commission on Intergovernmental Relations	0	0	0	0	2,098	0	1,049	1,049	0	0
Agency for International Dvlpmt	6,650	0	6,650	0	38,405	0	16,381	12,654	0	9,370
Appalachian Regional Commission	0	0	0	0	900	0	0	0	0	900
Federal Communications Commission	123	0	123	0	426	0	426	0	0	0
Federal Trade Commission	0	0	0	0	877	0	877	0	0	0
National Aeronautics & Space Admin	48,098	3,294	7,142	37,662	0	0	0	0	0	0
National Science Foundation	15,298	1,382	8,524	5,392	9,101	239	3,373	583	1,468	3,438
Tennessee Valley Authority	0	0	0	0	441	0	441	0	0	0
US Arms Control & Disarmament Agcy	424	366	58	0	570	0	105	465	0	0
US International Trade Commission	0	0	0	0	12,152	0	12,152	0	0	0

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[1] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[2] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[3] Formerly listed as Federal Prison System.

[4] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[5] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-48. Federal obligations for development, by agency and performer: fiscal year 1993

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	40,423,528	9,196,162	26,307,199	655,480	1,311,999	1,318,869	770,554	579,979	108,495	174,791
Departments:										
Department of Agriculture, total	76,070	71,772	0	0	3,590	0	332	0	22	354
Agricultural Marketing Service[2]	600	600	0	0	0	0	0	0	0	0
Agricultural Research Service	52,848	50,352	0	0	1,788	0	332	0	22	354
Animal & Plant Health Inspection Service	17,122	15,320	0	0	1,802	0	0	0	0	0
Forest Service	5,500	5,500	0	0	0	0	0	0	0	0
Department of Commerce, total	74,201	37,006	34,416	0	1,918	751	0	0	110	0
Bureau of the Census	2,096	2,096	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	34,296	10,104	23,966	0	213	13	0	0	0	0
National Oceanic & Atmospheric Administration	37,809	24,806	10,450	0	1,705	738	0	0	110	0
Department of Defense, total	31,065,665	7,091,552	21,891,473	157,711	525,735	428,386	338,814	476,041	7,895	148,058
Department of the Army	5,190,518	2,100,582	2,813,874	30,515	49,573	76,598	98,771	16,705	23	3,877
Department of the Navy	8,106,783	2,797,203	4,890,551	771	224,864	22,582	69,288	67,280	0	34,244
Department of the Air Force	11,747,501	604,891	10,767,984	8,329	33,350	63,400	6,009	255,070	5,131	3,337
Defense agencies, total	5,766,026	1,452,700	3,346,368	113,989	212,816	264,781	164,421	117,285	1,420	92,246
Advanced Rsch Projects Agency	784,407	125,457	429,643	698	61,814	5,407	152,317	7,520	0	1,551
Ballistic Missile Defense Organization	3,557,110	677,635	2,319,126	95,022	116,728	211,892	1,275	54,337	0	81,095
Defense Info Systems Agency	95,218	13,169	66,857	0	1,929	1,310	0	10,533	1,420	0
Defense Logistics Agency	20,377	6,260	6,207	0	900	0	4,823	1,880	0	307
Defense Mapping Agency	59,149	3,325	55,824	0	0	0	0	0	0	0
Defense Nuclear Agency	63,720	25,881	31,452	2,562	185	2,529	317	703	0	91
Joint Staff[3]	29,918	26,018	3,900	0	0	0	0	0	0	0
Special Operations Command	131,803	37,791	92,877	1,135	0	0	0	0	0	0
Washington Headquarters Svcs	1,024,324	537,164	340,482	14,572	31,260	43,643	5,689	42,312	0	9,202
Operational Test & Evaluation, Director	12,333	1,383	0	0	0	0	150	10,800	0	0
Test & Evaluation, Deputy Under Secretary Defense	242,504	134,793	72,696	4,107	5,132	1,025	175	8,901	1,321	14,354
Department of Education	44,125	2,465	2,538	0	17,072	0	21,137	0	913	0
Department of Energy	2,821,932	290,361	1,276,342	481,096	35,901	600,353	40,726	95,884	582	687
Dept of Health & Human Svcs, total	1,156,564	259,586	64,985	15,499	594,772	6,075	189,845	1,452	16,441	7,909
Administration on Aging[4]	18,214	614	0	0	3,068	0	8,313	0	6,219	0
Admin for Children & Families[4]	1,360	34	0	0	0	0	1,326	0	0	0
Agency for Health Care Policy & Research[5]	9,184	9,184	0	0	0	0	0	0	0	0
National Institutes of Health	1,126,566	249,641	64,985	15,499	591,039	6,075	179,744	1,452	10,222	7,909
Office of the Assistant Secretary for Health	1,240	113	0	0	665	0	462	0	0	0
Department of Housing & Urban Dvlpmt	15,525	8,937	3,774	0	0	0	2,814	0	0	0
Department of the Interior, total	38,989	27,270	10,228	211	798	0	473	0	9	0
Bureau of Land Management	923	500	0	0	423	0	0	0	0	0
Bureau of Mines	6,932	5,577	1,135	211	0	0	0	0	9	0
Bureau of Reclamation	2,823	2,100	0	0	250	0	473	0	0	0
Geological Survey	12,808	3,715	8,968	0	125	0	0	0	0	0
Office of the Secretary	175	50	125	0	0	0	0	0	0	0
US Fish & Wildlife Service	15,328	15,328	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

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Table C-48. Federal obligations for development, by agency and performer: fiscal year 1993

[Dollars in thousands]

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Justice, total	23,293	12,246	1,774	100	980	0	4,613	0	3,580	0
Bureau of Prisons[6]	3,600	560	0	0	40	0	0	0	3,000	0
Drug Enforcement Administration	847	77	670	100	0	0	0	0	0	0
Federal Bureau of Investigation	11,309	11,309	0	0	0	0	0	0	0	0
Office of Justice Programs	7,537	300	1,104	0	940	0	4,613	0	580	0
Department of Labor, total	36,051	9,006	7,099	0	1,659	0	1,614	0	16,673	0
Employment & Training Admin	32,468	8,329	5,000	0	1,573	0	1,026	0	16,540	0
Office of the Secretary	2,958	557	1,594	0	86	0	588	0	133	0
Pension Benefit Guaranty Corporation	625	120	505	0	0	0	0	0	0	0
Department of Transportation, total	319,262	143,712	70,112	863	26,493	13,979	5,428	5,658	51,586	1,431
Coast Guard	24,698	17,802	6,896	0	0	0	0	0	0	0
Federal Aviation Administration	189,125	114,863	38,950	433	13,811	13,979	0	5,658	0	1,431
Federal Highway Administration	83,142	5,352	22,382	430	12,682	0	4,024	0	38,272	0
Federal Railroad Administration	4,276	2,141	731	0	0	0	1,404	0	0	0
Federal Transit Administration[7]	13,315	1	0	0	0	0	0	0	13,314	0
Office of the Secretary	3,858	3,351	507	0	0	0	0	0	0	0
Research & Special Programs Administration	848	202	646	0	0	0	0	0	0	0
Department of the Treasury, total	5,509	2,641	2,868	0	0	0	0	0	0	0
Financial Crimes Enforcement Network	1,519	1,519	0	0	0	0	0	0	0	0
United States Customs Service	3,875	1,100	2,775	0	0	0	0	0	0	0
United States Mint	115	22	93	0	0	0	0	0	0	0
Department of Veterans Affairs	28,741	27,304	0	0	1,437	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	23,017	9,448	364	0	2,003	0	8,502	0	0	2,700
Consumer Product Safety Commission	398	315	83	0	0	0	0	0	0	0
Environmental Protection Agency	133,719	29,945	71,810	0	24,874	0	0	0	7,090	0
Library of Congress	8,680	8,680	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,471,126	1,083,255	2,869,333	0	74,767	269,325	156,256	944	3,594	13,652
National Archives & Records Admin	30	30	0	0	0	0	0	0	0	0
Tennessee Valley Authority	80,631	80,631	0	0	0	0	0	0	0	0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-49. Estimated Federal obligations for development, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	41,560,303	9,590,837	26,814,950	612,675	1,359,333	1,302,946	952,065	581,936	192,596	152,965
Departments:										
Department of Agriculture, total	80,125	75,469	0	0	3,951	0	374	0	25	306
Agricultural Marketing Service[2]	614	614	0	0	0	0	0	0	0	0
Agricultural Research Service	56,048	53,192	0	0	2,151	0	374	0	25	306
Animal & Plant Health Inspection Service	17,663	15,863	0	0	1,800	0	0	0	0	0
Forest Service	5,800	5,800	0	0	0	0	0	0	0	0
Department of Commerce, total	174,985	49,520	120,328	0	3,833	514	0	760	30	0
Bureau of the Census	2,124	2,124	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	134,593	24,435	109,785	0	359	14	0	0	0	0
National Oceanic & Atmospheric Administration	38,268	22,961	10,543	0	3,474	500	0	760	30	0
Department of Defense, total	31,264,087	7,392,178	21,936,228	76,942	520,223	307,167	441,838	448,282	16,547	124,682
Department of the Army	4,880,294	2,041,243	2,551,011	10,416	147,897	39,611	65,665	21,921	0	2,530
Department of the Navy	8,622,349	2,825,794	5,419,903	600	170,715	30,842	74,828	65,151	0	34,516
Department of the Air Force	11,290,227	684,042	10,223,767	19,626	24,020	65,146	9,080	244,805	12,727	7,014
Defense agencies, total	6,228,010	1,746,551	3,612,849	45,679	174,701	170,466	291,790	102,408	2,944	80,622
Advanced Rsch Projects Agency	2,207,105	513,980	1,216,810	1,703	90,397	73,469	274,093	29,760	0	6,893
Ballistic Missile Defense Organization	2,499,280	511,796	1,740,711	30,918	62,604	67,789	3,446	19,491	0	62,525
Defense Info Systems Agency	88,997	13,968	48,874	0	2,234	2,562	0	18,415	2,944	0
Defense Logistics Agency	37,161	9,929	5,853	0	8,740	0	10,192	2,447	0	0
Defense Mapping Agency	67,654	3,025	64,314	0	315	0	0	0	0	0
Defense Nuclear Agency	47,172	14,711	28,292	1,180	26	2,067	35	846	0	15
Joint Staff[3]	29,280	25,780	3,500	0	0	0	0	0	0	0
Special Operations Command	183,437	48,814	134,623	0	0	0	0	0	0	0
Washington Headquarters Svcs	1,067,924	604,548	369,872	11,878	10,385	24,579	4,024	31,449	0	11,189
Operational Test & Evaluation, Director	11,450	350	0	0	0	0	300	10,800	0	0
Test & Evaluation, Deputy Under Secretary Defense	231,757	94,198	128,698	621	2,890	1,102	175	3,197	876	0
Department of Education	48,108	2,439	2,588	0	19,421	0	22,867	0	793	0
Department of Energy	3,136,521	343,046	1,519,257	498,002	42,848	564,631	49,624	117,454	915	744
Dept of Health & Human Svcs, total	1,293,782	289,711	77,182	37,472	627,051	7,190	224,188	1,718	19,853	9,417
Administration on Aging[4]	17,835	683	0	0	730	0	8,722	0	7,700	0
Admin for Children & Families[4]	1,637	11	0	0	0	0	1,626	0	0	0
Agency for Health Care Policy & Research[5]	11,296	11,296	0	0	0	0	0	0	0	0
National Institutes of Health	1,261,914	277,621	77,182	37,472	625,621	7,190	213,540	1,718	12,153	9,417
Office of the Assistant Secretary for Health	1,100	100	0	0	700	0	300	0	0	0
Department of Housing & Urban Dvlpmt	24,502	10,227	9,039	0	101	0	5,135	0	0	0
Department of the Interior, total	46,051	35,083	8,985	159	1,627	0	197	0	0	0
Bureau of Mines	7,149	6,015	975	159	0	0	0	0	0	0
Bureau of Reclamation	2,465	2,128	0	0	140	0	197	0	0	0
Geological Survey	11,725	3,475	7,995	0	255	0	0	0	0	0
National Biological Survey	24,647	23,415	0	0	1,232	0	0	0	0	0
Office of the Secretary	65	50	15	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-49. Estimated Federal obligations for development, by agency and performer: fiscal year 1994

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Justice, total	22,596	12,599	1,850	100	461	0	4,286	0	3,300	0
Bureau of Prisons[6]	3,500	500	0	0	0	0	0	0	3,000	0
Drug Enforcement Administration	828	78	650	100	0	0	0	0	0	0
Federal Bureau of Investigation	11,521	11,521	0	0	0	0	0	0	0	0
Office of Justice Programs	6,747	500	1,200	0	461	0	4,286	0	300	0
Department of Labor, total	30,971	2,580	4,357	0	50	0	3,740	0	20,244	0
Employment & Training Admin	27,922	2,104	3,071	0	0	0	2,513	0	20,234	0
Office of the Secretary	2,564	351	926	0	50	0	1,227	0	10	0
Pension Benefit Guaranty Corporation	485	125	360	0	0	0	0	0	0	0
Department of Transportation, total	400,932	118,719	144,421	0	25,021	0	6,741	12,724	93,306	0
Coast Guard	17,844	12,876	4,968	0	0	0	0	0	0	0
Federal Aviation Administration	218,489	90,931	104,260	0	10,574	0	0	12,724	0	0
Federal Highway Administration	147,720	7,220	31,965	0	14,447	0	5,916	0	88,172	0
Federal Railroad Administration	4,285	2,143	1,317	0	0	0	825	0	0	0
Federal Transit Administration[7]	5,135	1	0	0	0	0	0	0	5,134	0
Office of the Secretary	3,988	3,437	551	0	0	0	0	0	0	0
Research & Special Programs Administration	3,471	2,111	1,360	0	0	0	0	0	0	0
Department of the Treasury, total	7,050	3,138	3,912	0	0	0	0	0	0	0
Financial Crimes Enforcement Network	1,875	1,875	0	0	0	0	0	0	0	0
United States Customs Service	4,125	1,200	2,925	0	0	0	0	0	0	0
United States Mint	1,050	63	987	0	0	0	0	0	0	0
Department of Veterans Affairs	31,215	29,342	0	0	1,873	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	39,505	5,236	852	0	1,796	0	27,916	0	0	3,705
Consumer Product Safety Commission	238	230	8	0	0	0	0	0	0	0
Environmental Protection Agency	150,383	32,095	53,460	0	30,737	0	0	0	34,091	0
Library of Congress	8,601	8,601	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,725,884	1,105,857	2,932,483	0	80,340	423,444	165,159	998	3,492	14,111
Tennessee Valley Authority	74,767	74,767	0	0	0	0	0	0	0	0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-50. Estimated Federal obligations for development, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 1 of 2

Agency and subdivision	Total	Intramural[1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	41,205,060	9,123,966	27,114,402	662,575	1,257,064	1,381,277	665,994	671,179	193,096	135,507
Departments:										
Department of Agriculture, total	81,849	77,179	0	0	3,996	0	374	0	25	275
Agricultural Marketing Service[2]	611	611	0	0	0	0	0	0	0	0
Agricultural Research Service	57,529	54,659	0	0	2,196	0	374	0	25	275
Animal & Plant Health Inspection Service	17,309	15,509	0	0	1,800	0	0	0	0	0
Forest Service	6,400	6,400	0	0	0	0	0	0	0	0
Department of Commerce, total	300,051	64,096	215,939	0	16,936	514	2,536	0	30	0
Bureau of the Census	2,251	2,251	0	0	0	0	0	0	0	0
National Institute of Standards & Technology	255,008	36,341	203,388	0	12,729	14	2,536	0	0	0
National Oceanic & Atmospheric Administration	42,792	25,504	12,551	0	4,207	500	0	0	30	0
Department of Defense, total	30,664,193	6,815,409	22,430,700	75,614	362,880	237,081	143,246	480,229	3,503	115,531
Department of the Army	4,514,052	1,967,710	2,435,671	8,497	37,282	18,828	26,799	16,427	0	2,838
Department of the Navy	8,150,984	2,726,232	5,127,668	660	141,509	20,364	20,550	70,915	0	43,086
Department of the Air Force	11,373,762	674,180	10,344,476	19,737	29,735	39,641	32,520	232,284	0	1,189
Defense agencies, total	6,361,399	1,362,869	4,365,329	44,930	151,543	157,248	62,902	145,325	2,835	68,418
Advanced Rsch Projects Agency	1,747,111	222,328	1,378,542	0	59,799	35,972	29,017	21,453	0	0
Ballistic Missile Defense Organization	2,847,404	603,688	1,948,912	32,146	61,588	95,945	50	63,125	0	41,950
Defense Info Systems Agency	78,864	13,613	44,259	0	1,601	2,493	0	14,063	2,835	0
Defense Logistics Agency	58,183	24,349	4,184	0	186	0	26,974	2,490	0	0
Defense Mapping Agency	86,556	4,328	81,978	0	250	0	0	0	0	0
Defense Nuclear Agency	41,052	10,430	28,814	1,228	0	408	0	172	0	0
Joint Staff[3]	11,640	4,874	6,766	0	0	0	0	0	0	0
Special Operations Command	149,136	33,822	89,250	2,500	0	0	0	0	0	23,564
Washington Headquarters Svcs	1,341,453	445,437	782,624	9,056	28,119	22,430	6,861	44,022	0	2,904
Operational Test & Evaluation, Director	12,501	1,601	0	0	0	0	300	10,600	0	0
Test & Evaluation, Deputy Under Secretary Defense	251,495	82,817	157,556	1,790	2,811	1,000	175	4,678	668	0
Department of Education	36,335	2,125	3,011	0	11,728	0	18,695	0	776	0
Department of Energy	2,989,388	374,285	1,318,611	544,734	51,515	462,581	43,706	173,854	19,471	631
Dept of Health & Human Svcs, total	1,360,157	302,676	82,524	42,127	658,081	7,641	235,858	1,826	19,416	10,008
Administration on Aging[4]	17,700	683	0	0	3,017	0	7,500	0	6,500	0
Admin for Children & Families[4]	1,134	11	0	0	0	0	1,123	0	0	0
Agency for Health Care Policy & Research[5]	8,653	8,653	0	0	0	0	0	0	0	0
National Institutes of Health	1,330,597	292,731	82,024	42,127	654,389	7,641	226,935	1,826	12,916	10,008
Office of the Assistant Secretary for Health	1,073	98	0	0	675	0	300	0	0	0
Social Security Administration	1,000	500	500	0	0	0	0	0	0	0
Department of Housing & Urban Dvlpmt	25,656	10,405	11,763	0	101	0	3,387	0	0	0
Department of the Interior, total	46,163	36,146	8,079	0	1,818	0	120	0	0	0
Bureau of Mines	5,710	4,501	1,209	0	0	0	0	0	0	0
Bureau of Reclamation	1,546	1,306	0	0	120	0	120	0	0	0
Geological Survey	10,020	2,895	6,870	0	255	0	0	0	0	0
National Biological Survey	28,862	27,419	0	0	1,443	0	0	0	0	0
Office of the Secretary	25	25	0	0	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-50. Estimated Federal obligations for development, by agency and performer: fiscal year 1995

[Dollars in thousands]

Page 2 of 2

Agency and subdivision	Total	Intramural [1]	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Department of Justice, total	23,431	12,147	1,784	100	445	0	5,655	0	3,300	0
Bureau of Prisons[6]	3,450	450	0	0	0	0	0	0	3,000	0
Drug Enforcement Administration	828	78	650	100	0	0	0	0	0	0
Federal Bureau of Investigation	11,119	11,119	0	0	0	0	0	0	0	0
Office of Justice Programs	8,034	500	1,134	0	445	0	5,655	0	300	0
Department of Labor, total	35,468	3,390	4,278	0	50	0	4,348	0	23,402	0
Employment & Training Admin	32,489	2,599	3,574	0	0	0	2,924	0	23,392	0
Office of the Secretary	2,628	594	550	0	50	0	1,424	0	10	0
Pension Benefit Guaranty Corporation	351	197	154	0	0	0	0	0	0	0
Department of Transportation, total	381,832	95,381	165,081	0	25,012	0	4,634	14,251	77,473	0
Coast Guard	15,213	10,977	4,236	0	0	0	0	0	0	0
Federal Aviation Administration	215,582	63,980	125,508	0	11,843	0	0	14,251	0	0
Federal Highway Administration	124,611	13,744	25,463	0	13,169	0	2,397	0	69,838	0
Federal Railroad Administration	12,425	2,142	8,046	0	0	0	2,237	0	0	0
Federal Transit Administration[7]	7,636	1	0	0	0	0	0	0	7,635	0
Office of the Secretary	3,805	3,017	788	0	0	0	0	0	0	0
Research & Special Programs Administration	2,560	1,520	1,040	0	0	0	0	0	0	0
Department of the Treasury, total	7,894	3,269	4,625	0	0	0	0	0	0	0
Financial Crimes Enforcement Network	1,932	1,932	0	0	0	0	0	0	0	0
United States Customs Service	5,925	1,300	4,625	0	0	0	0	0	0	0
United States Mint	37	37	0	0	0	0	0	0	0	0
Department of Veterans Affairs	25,320	24,120	0	0	1,200	0	0	0	0	0
Other agencies:										
Agency for International Dvlpmt	42,601	6,285	1,075	0	2,687	0	32,104	0	0	450
Consumer Product Safety Commission	275	175	100	0	0	0	0	0	0	0
Environmental Protection Agency	195,419	43,555	72,572	0	37,272	0	0	0	42,020	0
Library of Congress	8,455	8,455	0	0	0	0	0	0	0	0
National Aeronautics & Space Admin	4,902,501	1,166,796	2,794,260	0	83,343	673,460	171,331	1,019	3,680	8,612
Tennessee Valley Authority	78,072	78,072	0	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-51. Federal funds for R&D plant, by agency: fiscal years 1993, 1994, and 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Obligations			Outlays		
	1993	Estimates		1993	Estimates	
		1994	1995		1994	1995
Total, all agencies	3,100,672	3,224,355	2,380,320	3,144,483	3,032,412	2,647,977
Departments						
Department of Agriculture, total	142,404	155,176	80,000	149,540	157,061	152,422
Agricultural Research Service	78,310	82,179	75,500	89,234	90,946	93,543
Animal & Plant Health Inspection Service	0	2,672	0	0	2,672	0
Cooperative State Research Service	60,522	65,425	0	53,806	58,843	54,279
Forest Service	3,572	4,900	4,500	6,500	4,600	4,600
Department of Commerce, total	25,426	183,382	103,272	22,443	25,228	26,161
National Institute of Standards & Technology	12,594	169,365	100,000	9,611	11,211	22,889
National Oceanic & Atmospheric Administration	12,832	14,017	3,272	12,832	14,017	3,272
Department of Defense, total	371,515	254,675	260,094	373,185	325,858	268,697
Department of the Army	18,120	38,021	12,345	7,000	14,000	30,000
Military functions	18,120	38,021	12,345	7,000	14,000	30,000
Department of the Navy	45,457	48,287	16,150	73,500	81,875	25,208
Department of the Air Force	231,606	98,071	98,796	231,000	152,300	111,900
Defense agencies, total	76,332	70,296	132,803	61,685	77,683	101,589
Ballistic Missile Defense Organization	13,371	5,905	1,330	7,700	5,200	3,700
Defense Nuclear Agency	4,371	0	0	26,999	15,874	7,793
Washington Headquarters Services	58,590	64,391	131,473	26,986	56,609	90,096
Department of Education	2,222	1,809	1,811	12,848	3,091	1,844
Department of Energy	1,461,533	949,485	942,601	1,483,166	1,038,521	1,015,996
Department of Health & Human Services, total	149,328	378,250	136,146	149,328	378,250	136,146
Food & Drug Administration	19,700	26,600	8,400	19,700	26,600	8,400
Health Resources & Services Administration	1,404	1,549	1,510	1,404	1,549	1,510
National Institutes of Health	128,224	350,101	126,236	128,224	350,101	126,236
Department of the Interior, total	23,141	27,234	25,358	20,806	27,828	25,889
Geological Survey	3,758	8,755	7,728	4,016	9,356	8,259
Minerals Management Service	1,083	1,083	1,083	990	1,076	1,083
National Biological Survey	0	17,396	16,547	0	17,396	16,547
United States Fish & Wildlife Service	18,300	0	0	15,800	0	0
Department of Transportation, total	32,319	49,758	28,675	30,021	30,732	32,882
Coast Guard	500	520	525	500	520	525
Federal Aviation Administration	22,357	33,000	24,000	25,563	23,873	24,816
Federal Highway Administration	858	14,027	3,750	448	3,332	5,577
Federal Railroad Administration	1,604	2,211	400	1,270	1,327	1,124
Federal Transit Administration[1]	7,000	0	0	2,240	1,680	840
Department of the Treasury, total	152	154	155	152	154	155
United States Customs Service	125	125	125	125	125	125
United States Secret Service[2]	27	29	30	27	29	30
Department of Veterans Affairs	3,350	14,500	8,800	4,800	6,500	8,600
Other agencies						
Environmental Protection Agency	2,500	4,764	4,925	2,500	4,764	4,925
General Services Administration	983	322	0	7,595	4,427	3,091
National Aeronautics & Space Administration	749,363	989,528	613,324	798,405	819,276	792,268
National Science Foundation	130,436	209,318	169,159	87,494	208,522	176,701
Smithsonian Institution	5,000	5,000	5,000	1,200	1,200	1,200
Tennessee Valley Authority	1,000	1,000	1,000	1,000	1,000	1,000

[1] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[2] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-52. Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	3,100,672	432,045	1,048,160	124,428	361,415	619,507	415,635	65,532	500	33,450
Departments:										
Department of Agriculture, total	142,404	83,760	0	0	55,058	0	3,586	0	0	0
Agricultural Research Service	78,310	78,310	0	0	0	0	0	0	0	0
Cooperative State Research Svc	60,522	1,878	0	0	55,058	0	3,586	0	0	0
Forest Service	3,572	3,572	0	0	0	0	0	0	0	0
Department of Commerce, total	25,426	15,120	8,646	0	10	0	0	0	0	1,650
National Institute of Standards & Technology	12,594	2,288	8,646	0	10	0	0	0	0	1,650
National Oceanic & Atmospheric Administration	12,832	12,832	0	0	0	0	0	0	0	0
Department of Defense, total	371,515	140,890	165,655	373	64,292	285	0	20	0	0
Department of the Army	18,120	18,120	0	0	0	0	0	0	0	0
Department of the Navy	45,457	35,992	243	0	9,222	0	0	0	0	0
Department of the Air Force	231,606	79,590	152,016	0	0	0	0	0	0	0
Defense agencies, total	76,332	7,188	13,396	373	55,070	285	0	20	0	0
Ballistic Missile Defense Organization	13,371	0	13,371	0	0	0	0	0	0	0
Defense Nuclear Agency	4,371	4,346	25	0	0	0	0	0	0	0
Washington Headquarters Svcs	58,590	2,842	0	373	55,070	285	0	20	0	0
Department of Education	2,222	0	0	0	2,222	0	0	0	0	0
Department of Energy	1,461,533	2,646	159,497	124,055	132,191	576,883	400,749	65,512	0	0
Dept of Health & Human Svcs, total	149,328	134,235	0	0	13,501	0	1,592	0	0	0
Food & Drug Administration	19,700	19,436	0	0	264	0	0	0	0	0
Health Resources & Svcs Admin	1,404	1,404	0	0	0	0	0	0	0	0
National Institutes of Health	128,224	113,395	0	0	13,237	0	1,592	0	0	0
Department of the Interior, total	23,141	18,300	4,841	0	0	0	0	0	0	0
Geological Survey	3,758	0	3,758	0	0	0	0	0	0	0
Minerals Management Service	1,083	0	1,083	0	0	0	0	0	0	0
US Fish & Wildlife Service	18,300	18,300	0	0	0	0	0	0	0	0
Department of Transportation, total	32,319	24,070	0	0	7,749	0	0	0	500	0
Coast Guard	500	0	0	0	0	0	0	0	500	0
Federal Aviation Administration	22,357	22,357	0	0	0	0	0	0	0	0
Federal Highway Administration	858	108	0	0	750	0	0	0	0	0
Federal Railroad Administration	1,604	1,604	0	0	0	0	0	0	0	0
Federal Transit Administration[1]	7,000	1	0	0	6,999	0	0	0	0	0
Department of the Treasury, total	152	27	125	0	0	0	0	0	0	0
United States Customs Service	125	0	125	0	0	0	0	0	0	0
United States Secret Service[2]	27	27	0	0	0	0	0	0	0	0
Department of Veterans Affairs	3,350	3,350	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	2,500	0	2,500	0	0	0	0	0	0	0
General Services Administration	983	0	0	0	983	0	0	0	0	0
National Aeronautics & Space Admin	749,363	3,647	695,655	0	221	18,040	0	0	0	31,800
National Science Foundation	130,436	0	11,241	0	85,188	24,299	9,708	0	0	0
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	1,000	1,000	0	0	0	0	0	0	0	0

[1] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[2] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-53. Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Intra-mural	Extramural								
			United States and territories								Foreign
			Indus-trial firms	FFRDCs admin by indus-trial firms	Univer-sities and colleges	FFRDCs admin by univs and colleges	Other non-profit insti-tutions	FFRDCs admin by non-profit insti-tutions	State and local govts	
Total, all agencies	3,224,355	708,959	1,338,597	120,666	295,110	656,500	13,689	72,689	545	17,600
Departments:										
Department of Agriculture, total	155,176	92,001	0	0	60,592	0	2,583	0	0	0
Agricultural Research Service	82,179	82,179	0	0	0	0	0	0	0	0
Animal & Plant Health Inspection Service	2,672	2,672	0	0	0	0	0	0	0	0
Cooperative State Research Svc	65,425	2,250	0	0	60,592	0	2,583	0	0	0
Forest Service	4,900	4,900	0	0	0	0	0	0	0	0
Department of Commerce, total	183,382	18,284	165,098	0	0	0	0	0	0	0
National Institute of Standards & Technology	169,365	4,267	165,098	0	0	0	0	0	0	0
National Oceanic & Atmospheric Administration	14,017	14,017	0	0	0	0	0	0	0	0
Department of Defense, total	254,675	146,926	81,822	388	25,262	259	0	18	0	0
Department of the Army	38,021	38,021	0	0	0	0	0	0	0	0
Department of the Navy	48,287	44,225	300	0	3,762	0	0	0	0	0
Department of the Air Force	98,071	61,071	37,000	0	0	0	0	0	0	0
Defense agencies, total	70,296	3,609	44,522	388	21,500	259	0	18	0	0
Ballistic Missile Defense Organization	5,905	0	5,905	0	0	0	0	0	0	0
Washington Headquarters Svcs	64,391	3,609	38,617	388	21,500	259	0	18	0	0
Department of Education	1,809	0	0	0	1,809	0	0	0	0	0
Department of Energy	949,485	8,178	115,376	120,278	25,655	606,816	486	72,671	25	0
Dept of Health & Human Svcs, total	378,250	370,487	0	0	7,763	0	0	0	0	0
Food & Drug Administration	26,600	26,336	0	0	264	0	0	0	0	0
Health Resources & Svcs Admin	1,549	1,549	0	0	0	0	0	0	0	0
National Institutes of Health	350,101	342,602	0	0	7,499	0	0	0	0	0
Department of the Interior, total	27,234	12,403	14,831	0	0	0	0	0	0	0
Geological Survey	8,755	0	8,755	0	0	0	0	0	0	0
Minerals Management Service	1,083	0	1,083	0	0	0	0	0	0	0
National Biological Survey	17,396	12,403	4,993	0	0	0	0	0	0	0
Department of Transportation, total	49,758	35,211	0	0	14,027	0	0	0	520	0
Coast Guard	520	0	0	0	0	0	0	0	520	0
Federal Aviation Administration	33,000	33,000	0	0	0	0	0	0	0	0
Federal Highway Administration	14,027	0	0	0	14,027	0	0	0	0	0
Federal Railroad Administration	2,211	2,211	0	0	0	0	0	0	0	0
Department of the Treasury, total	154	29	125	0	0	0	0	0	0	0
United States Customs Service	125	0	125	0	0	0	0	0	0	0
United States Secret Service[1]	29	29	0	0	0	0	0	0	0	0
Department of Veterans Affairs	14,500	14,500	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	4,764	0	4,764	0	0	0	0	0	0	0
General Services Administration	322	0	0	0	322	0	0	0	0	0
National Aeronautics & Space Admin	989,528	4,940	943,166	0	0	23,822	0	0	0	17,600
National Science Foundation	209,318	0	13,415	0	159,680	25,603	10,620	0	0	0
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	1,000	1,000	0	0	0	0	0	0	0	0

[1] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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Table C-54. Estimated Federal obligations for R&D plant, by agency and performer of the research and development the plant supports: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Intramural	Extramural							
			United States and territories							Foreign
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts	
Total, all agencies	2,380,320	364,883	999,725	146,332	151,955	613,652	9,725	93,523	525	0
Departments:										
Department of Agriculture, total	80,000	80,000	0	0	0	0	0	0	0	0
Agricultural Research Service	75,500	75,500	0	0	0	0	0	0	0	0
Forest Service	4,500	4,500	0	0	0	0	0	0	0	0
Department of Commerce, total	103,272	7,544	95,728	0	0	0	0	0	0	0
National Institute of Standards & Technology	100,000	4,272	95,728	0	0	0	0	0	0	0
National Oceanic & Atmospheric Administration	3,272	3,272	0	0	0	0	0	0	0	0
Department of Defense, total	260,094	91,238	166,009	346	2,300	188	0	13	0	0
Department of the Army	12,345	12,345	0	0	0	0	0	0	0	0
Department of the Navy	16,150	13,500	350	0	2,300	0	0	0	0	0
Department of the Air Force	98,796	61,522	37,274	0	0	0	0	0	0	0
Defense agencies, total	132,803	3,871	128,385	346	0	188	0	13	0	0
Ballistic Missile Defense Organization	1,330	0	1,330	0	0	0	0	0	0	0
Washington Headquarters Svcs	131,473	3,871	127,055	346	0	188	0	13	0	0
Department of Education	1,811	0	0	0	1,811	0	0	0	0	0
Department of Energy	942,601	3,825	109,202	145,986	18,989	570,895	194	93,510	0	0
Dept of Health & Human Svcs, total	136,146	128,382	0	0	7,764	0	0	0	0	0
Food & Drug Administration	8,400	8,136	0	0	264	0	0	0	0	0
Health Resources & Svcs Admin	1,510	1,510	0	0	0	0	0	0	0	0
National Institutes of Health	126,236	118,736	0	0	7,500	0	0	0	0	0
Department of the Interior, total	25,358	11,547	13,811	0	0	0	0	0	0	0
Geological Survey	7,728	0	7,728	0	0	0	0	0	0	0
Minerals Management Service	1,083	0	1,083	0	0	0	0	0	0	0
National Biological Survey	16,547	11,547	5,000	0	0	0	0	0	0	0
Department of Transportation, total	28,675	24,400	0	0	3,750	0	0	0	525	0
Coast Guard	525	0	0	0	0	0	0	0	525	0
Federal Aviation Administration	24,000	24,000	0	0	0	0	0	0	0	0
Federal Highway Administration	3,750	0	0	0	3,750	0	0	0	0	0
Federal Railroad Administration	400	400	0	0	0	0	0	0	0	0
Department of the Treasury, total	155	30	125	0	0	0	0	0	0	0
United States Customs Service	125	0	125	0	0	0	0	0	0	0
United States Secret Service[1]	30	30	0	0	0	0	0	0	0	0
Department of Veterans Affairs	8,800	8,800	0	0	0	0	0	0	0	0
Other agencies:										
Environmental Protection Agency	4,925	0	4,925	0	0	0	0	0	0	0
National Aeronautics & Space Admin	613,324	3,117	597,077	0	0	13,130	0	0	0	0
National Science Foundation	169,159	0	12,848	0	117,341	29,439	9,531	0	0	0
Smithsonian Institution	5,000	5,000	0	0	0	0	0	0	0	0
Tennessee Valley Authority	1,000	1,000	0	0	0	0	0	0	0	0

[1] Formerly listed as Office of Protective Research

NOTE: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-55. Federal obligations for research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1993	Estimates	
		1994	1995
Total, all fields	9,496,051	10,236,713	10,467,757
Life sciences, total	5,452,244	5,862,718	6,024,415
Biological (excluding environmental)	2,742,373	2,913,789	3,061,339
Environmental biology	160,458	204,513	175,211
Agricultural	152,304	161,905	152,618
Medical	2,288,228	2,465,051	2,515,528
Life sciences, n.e.c.	108,881	117,460	119,719
Psychology, total	287,486	303,023	317,697
Biological aspects	13,384	13,735	15,599
Social aspects	16,761	16,341	16,855
Psychological sciences, n.e.c.	257,341	272,947	285,243
Physical sciences, total	1,172,630	1,266,690	1,298,593
Astronomy	120,137	146,450	142,338
Chemistry	347,925	365,870	386,871
Physics	607,988	658,785	669,755
Physical sciences, n.e.c.	96,580	95,585	99,629
Environmental sciences, total	590,370	653,606	650,825
Atmospheric	159,562	176,064	172,633
Geological	188,506	206,307	204,155
Oceanography	146,706	156,524	162,991
Environmental sciences, n.e.c.	95,596	114,711	111,046
Mathematics & computer sciences, total	490,134	580,271	629,284
Mathematics	135,887	148,116	157,106
Computer sciences	337,829	416,914	456,798
Mathematics & computer sciences, n.e.c.	16,418	15,241	15,380
Engineering, total	887,988	946,926	931,402
Aeronautical	52,135	60,524	63,521
Astronautical	20,447	21,092	23,197
Chemical	65,369	71,986	69,963
Civil	37,734	40,192	41,238
Electrical	195,695	218,014	173,550
Mechanical	117,327	126,309	134,004
Metallurgy & materials	200,562	193,801	201,054
Engineering, n.e.c.	198,719	215,008	224,875
Social sciences, total	216,015	218,944	213,752
Anthropology	6,965	7,650	8,379
Economics	58,844	60,472	54,674
Political science	4,494	4,733	5,333
Sociology	34,091	39,885	34,044
Social sciences, n.e.c.	111,621	106,204	111,322
Other sciences, n.e.c.	399,184	404,535	401,789

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal years 1993, 1994, and 1995.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-56. Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	9,496,051	5,452,244	287,486	1,172,630	590,370	490,134	887,988	216,015	399,184
Departments:									
Department of Agriculture, total	429,130	325,380	27	25,407	5,364	2,688	18,079	52,185	0
Agricultural Cooperative Service	297	0	0	0	0	0	0	297	0
Agricultural Marketing Service[1]	203	203	0	0	0	0	0	0	0
Agricultural Research Service	20,561	18,284	27	0	30	2,056	139	25	0
Cooperative State Research Svc	380,412	285,642	0	25,407	3,533	0	17,817	48,013	0
Economic Research Service	1,848	0	0	0	0	0	0	1,848	0
Forest Service	24,730	20,437	0	0	1,801	367	123	2,002	0
Human Nutrition Information Svc	654	654	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	265	0	0	0	0	265	0	0	0
Office of International Cooperation & Development[2]	160	160	0	0	0	0	0	0	0
Department of Defense, total	1,090,116	104,601	22,934	137,780	115,835	232,481	419,045	17,488	39,952
Department of the Army	96,867	17,985	4,814	10,231	8,242	14,592	40,081	119	803
Department of the Navy	255,250	21,098	13,900	41,269	77,467	24,056	76,665	0	795
Department of the Air Force	181,221	20,185	975	34,066	10,863	18,129	56,996	10,867	29,140
Defense agencies, total	556,778	45,333	3,245	52,214	19,263	175,704	245,303	6,502	9,214
Advanced Rsch Projects Agency	242,520	178	0	2,379	3,131	146,211	90,621	0	0
Ballistic Missile Defense Organization	27,295	0	0	10,095	24	4,036	13,140	0	0
Defense Nuclear Agency	4,365	0	0	164	2,752	0	672	0	777
Washington Headquarters Svcs	282,598	45,155	3,245	39,576	13,356	25,457	140,870	6,502	8,437
Department of Energy	547,392	72,429	0	310,304	60,136	12,170	86,691	0	5,662
Dept of Health & Human Svcs, total	5,328,509	4,641,805	247,376	98,811	0	7,941	43,913	97,952	190,711
Administration on Aging[3]	1,185	0	0	0	0	0	0	1,185	0
Admin for Children & Families[3]	2,600	0	0	0	0	0	0	2,600	0
Agency for Health Care Policy & Research[4]	53,296	22,781	0	0	0	1,468	0	25,788	3,259
Centers for Disease Control	42,448	42,448	0	0	0	0	0	0	0
Food & Drug Administration	8,043	8,043	0	0	0	0	0	0	0
Health Care Financing Admin	6,066	6,066	0	0	0	0	0	0	0
Health Resources & Svcs Admin	5,397	5,397	0	0	0	0	0	0	0
National Institutes of Health	5,204,405	4,557,070	247,376	98,811	0	6,473	43,913	63,310	187,452
Office of the Secretary	3,973	0	0	0	0	0	0	3,973	0
Social Security Administration	1,096	0	0	0	0	0	0	1,096	0
Other agencies:									
National Aeronautics & Space Admin	538,975	37,698	4,330	211,583	125,788	25,948	108,577	331	24,720
National Science Foundation	1,561,929	270,331	12,819	388,745	283,247	208,906	211,683	48,059	138,139

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[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-57. Estimated Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	10,236,713	5,862,718	303,023	1,266,690	653,606	580,271	946,926	218,944	404,535
Departments:									
Department of Agriculture, total	449,517	343,173	27	26,342	5,835	2,544	18,782	52,814	0
Agricultural Research Service	21,749	19,496	27	0	29	2,034	138	25	0
Cooperative State Research Svc	401,682	303,512	0	26,342	3,574	0	18,524	49,730	0
Economic Research Service	1,100	0	0	0	0	0	0	1,100	0
Forest Service	24,201	19,530	0	0	2,232	360	120	1,959	0
Foreign Agricultural Service[1]	352	352	0	0	0	0	0	0	0
Human Nutrition Information Svc	283	283	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	150	0	0	0	0	150	0	0	0
Department of Defense, total	1,205,682	161,111	21,635	145,487	131,333	292,698	419,027	10,978	23,413
Department of the Army	88,599	15,576	4,373	14,313	7,778	13,133	32,778	117	531
Department of the Navy	238,591	18,640	13,296	38,396	74,271	23,101	70,392	0	495
Department of the Air Force	174,342	18,001	1,192	31,007	18,536	16,720	57,209	10,599	21,078
Defense agencies, total	704,150	108,894	2,774	61,771	30,748	239,744	258,648	262	1,309
Advanced Rsch Projects Agency	274,012	0	0	2,244	8,190	195,205	68,373	0	0
Ballistic Missile Defense Organization	16,102	0	0	3,609	43	1,161	11,289	0	0
Defense Nuclear Agency	4,479	0	0	253	3,775	0	272	0	179
Washington Headquarters Svcs	409,557	108,894	2,774	55,665	18,740	43,378	178,714	262	1,130
Department of Energy	590,554	94,171	0	322,397	61,293	12,562	94,742	0	5,389
Dept of Health & Human Svcs, total	5,660,149	4,928,663	261,715	107,789	0	8,810	48,132	104,113	200,927
Administration on Aging[2]	788	0	0	0	0	0	0	788	0
Admin for Children & Families[2]	1,500	0	0	0	0	0	0	1,500	0
Agency for Health Care Policy & Research[3]	67,350	28,961	0	0	0	2,012	0	32,328	4,049
Centers for Disease Control	44,570	44,570	0	0	0	0	0	0	0
Food & Drug Administration	10,163	10,163	0	0	0	0	0	0	0
Health Care Financing Admin	7,345	7,345	0	0	0	0	0	0	0
Health Resources & Svcs Admin	5,469	5,469	0	0	0	0	0	0	0
National Institutes of Health	5,519,964	4,832,155	261,715	107,789	0	6,798	48,132	66,497	196,878
Office of the Secretary	2,000	0	0	0	0	0	0	2,000	0
Social Security Administration	1,000	0	0	0	0	0	0	1,000	0
Other agencies:									
National Aeronautics & Space Admin	652,487	45,637	5,242	256,143	152,280	31,414	131,444	401	29,926
National Science Foundation	1,678,324	289,963	14,404	408,532	302,865	232,243	234,799	50,638	144,880

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[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[2] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1994.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-58. Estimated Federal obligations for research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	10,467,757	6,024,415	317,697	1,298,593	650,825	629,284	931,402	213,752	401,789
Departments:									
Department of Agriculture, total	420,377	329,891	27	22,009	4,688	2,544	16,254	44,964	0
Agricultural Research Service	22,204	19,951	27	0	29	2,034	138	25	0
Cooperative State Research Svc	372,167	289,856	0	22,009	2,427	0	15,996	41,879	0
Economic Research Service	1,100	0	0	0	0	0	0	1,100	0
Forest Service	24,201	19,529	0	0	2,232	360	120	1,960	0
Foreign Agricultural Service[1]	355	355	0	0	0	0	0	0	0
Human Nutrition Information Svc	200	200	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	150	0	0	0	0	150	0	0	0
Department of Defense, total	1,112,616	100,777	22,545	135,554	108,763	316,013	392,474	12,065	24,425
Department of the Army	93,877	15,243	3,791	15,290	7,089	17,858	34,066	149	391
Department of the Navy	251,510	19,375	13,950	40,714	77,613	24,220	75,103	0	535
Department of the Air Force	171,865	19,060	895	33,283	7,011	18,961	60,094	11,556	21,005
Defense agencies, total	595,364	47,099	3,909	46,267	17,050	254,974	223,211	360	2,494
Advanced Rsch Projects Agency	293,751	0	0	1,751	408	223,128	68,464	0	0
Ballistic Missile Defense Organization	18,173	0	0	6,272	129	836	10,936	0	0
Defense Nuclear Agency	943	0	0	88	280	0	468	0	107
Washington Headquarters Svcs	282,497	47,099	3,909	38,156	16,233	31,010	143,343	360	2,387
Department of Energy	569,820	91,019	0	319,522	52,693	12,799	88,987	0	4,800
Dept of Health & Human Svcs, total	5,896,128	5,141,812	273,747	112,746	0	8,646	50,345	99,807	209,025
Administration on Aging[2]	1,100	0	0	0	0	0	0	1,100	0
Admin for Children & Families[2]	1,480	0	0	0	0	0	0	1,480	0
Agency for Health Care Policy & Research[3]	51,402	22,103	0	0	0	1,536	0	24,673	3,090
Centers for Disease Control	44,570	44,570	0	0	0	0	0	0	0
Food & Drug Administration	10,166	10,166	0	0	0	0	0	0	0
Health Care Financing Admin	6,120	6,120	0	0	0	0	0	0	0
Health Resources & Svcs Admin	4,498	4,498	0	0	0	0	0	0	0
National Institutes of Health	5,773,792	5,054,355	273,747	112,746	0	7,110	50,345	69,554	205,935
Office of the Secretary	2,000	0	0	0	0	0	0	2,000	0
Social Security Administration	1,000	0	0	0	0	0	0	1,000	0
Other agencies:									
National Aeronautics & Space Admin	652,487	45,638	5,242	256,143	152,281	31,414	131,443	401	29,925
National Science Foundation	1,816,329	315,278	16,136	452,619	332,400	257,868	251,899	56,515	133,614

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[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[2] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1995.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-59. Federal obligations for research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology: Total	Psychology: Bio-logical aspects	Psychology: Social aspects	Psychology: Psycho-logical sciences, n.e.c.	Life sciences: Total	Life sciences: Bio-logical	Life sciences: Environ-mental biology	Life sciences: Agri-cultural	Life sciences: Medical	Life sciences: Life sciences, n.e.c.
Total, all agencies	287,486	13,384	16,761	257,341	5,452,244	2,742,373	160,458	152,304	2,288,228	108,881
Departments:										
Department of Agriculture, total	27	0	27	0	325,380	100,869	65,759	148,477	10,275	0
Agricultural Marketing Service[1]	0	0	0	0	203	0	0	203	0	0
Agricultural Research Service	27	0	27	0	18,284	3,475	1,353	13,312	144	0
Cooperative State Research Svc	0	0	0	0	285,642	82,882	58,481	134,148	10,131	0
Forest Service	0	0	0	0	20,437	14,512	5,925	0	0	0
Human Nutrition Information Svc	0	0	0	0	654	0	0	654	0	0
Office of International Cooperation & Development[2]	0	0	0	0	160	0	0	160	0	0
Department of Defense, total	22,934	8,637	12,229	2,068	104,601	32,855	22,589	170	42,137	6,850
Department of the Army	4,814	0	4,803	11	17,985	2,339	939	0	13,572	1,135
Department of the Navy	13,900	5,397	6,814	1,689	21,098	8,793	7,350	0	4,955	0
Department of the Air Force	975	154	453	368	20,185	3,548	7,414	0	3,508	5,715
Defense agencies, total	3,245	3,086	159	0	45,333	18,175	6,886	170	20,102	0
Advanced Rsch Projects Agency	0	0	0	0	178	0	0	0	178	0
Washington Headquarters Svcs	3,245	3,086	159	0	45,155	18,175	6,886	170	19,924	0
Department of Energy	0	0	0	0	72,429	55,864	1,313	50	13,679	1,523
Dept of Health & Human Svcs, total	247,376	0	0	247,376	4,641,805	2,341,074	163	3,087	2,214,290	83,191
Agency for Health Care Policy & Research[3]	0	0	0	0	22,781	0	0	0	21,471	1,310
Centers for Disease Control	0	0	0	0	42,448	0	0	0	42,448	0
Food & Drug Administration	0	0	0	0	8,043	3,959	0	3,087	0	997
Health Care Financing Admin	0	0	0	0	6,066	0	0	0	0	6,066
Health Resources & Svcs Admin	0	0	0	0	5,397	0	0	0	5,397	0
National Institutes of Health	247,376	0	0	247,376	4,557,070	2,337,115	163	0	2,144,974	74,818
Other agencies:										
National Aeronautics & Space Admin	4,330	62	493	3,775	37,698	18,971	1,359	520	7,847	9,001
National Science Foundation	12,819	4,685	4,012	4,122	270,331	192,740	69,275	0	0	8,316

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-60. Federal obligations for research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	1,172,630	120,137	347,925	607,988	96,580	590,370	159,562	188,506	146,706	95,596
Departments:										
Department of Agriculture, total	25,407	33	25,374	0	0	5,364	4,300	1,064	0	0
Agricultural Research Service	0	0	0	0	0	30	0	30	0	0
Cooperative State Research Svc	25,407	33	25,374	0	0	3,533	3,533	0	0	0
Forest Service	0	0	0	0	0	1,801	767	1,034	0	0
Department of Defense, total	137,780	6,238	53,523	77,492	527	115,835	13,920	39,286	57,321	5,308
Department of the Army	10,231	0	4,725	5,204	302	8,242	3,822	1,815	49	2,556
Department of the Navy	41,269	0	16,736	24,308	225	77,467	4,410	24,306	48,751	0
Department of the Air Force	34,066	5,291	12,723	16,052	0	10,863	4,305	6,558	0	0
Defense agencies, total	52,214	947	19,339	31,928	0	19,263	1,383	6,607	8,521	2,752
Advanced Rsch Projects Agency	2,379	0	541	1,838	0	3,131	0	3,131	0	0
Ballistic Missile Defense Organization	10,095	0	1,909	8,186	0	24	24	0	0	0
Defense Nuclear Agency	164	0	0	164	0	2,752	0	0	0	2,752
Washington Headquarters Svcs	39,576	947	16,889	21,740	0	13,356	1,359	3,476	8,521	0
Department of Energy	310,304	0	50,763	258,848	693	60,136	28,498	26,650	3,447	1,541
Dept of Health & Human Svcs, total	98,811	0	92,030	6,781	0	0	0	0	0	0
National Institutes of Health	98,811	0	92,030	6,781	0	0	0	0	0	0
Other agencies:										
National Aeronautics & Space Admin	211,583	77,679	6,427	103,395	24,082	125,788	49,990	22,517	12,517	40,764
National Science Foundation	388,745	36,187	119,808	161,472	71,278	283,247	62,854	98,989	73,421	47,983

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-61. Federal obligations for research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aero-nautical	Astro-nautical	Chemical	Civil	Elec-trical	Mechan-ical	Metal-lurgy and materials	Engi-neering, n.e.c.
Total, all agencies	887,988	52,135	20,447	65,369	37,734	195,695	117,327	200,562	198,719
Departments:									
Department of Agriculture, total	18,079	0	0	0	0	0	0	0	18,079
Agricultural Research Service	139	0	0	0	0	0	0	0	139
Cooperative State Research Svc	17,817	0	0	0	0	0	0	0	17,817
Forest Service	123	0	0	0	0	0	0	0	123
Department of Defense, total	419,045	18,953	9,545	7,001	9,044	134,590	65,962	137,971	35,979
Department of the Army	40,081	3,849	2	840	4,208	12,736	7,010	6,215	5,221
Department of the Navy	76,665	576	3,612	576	1,069	30,096	22,892	17,694	150
Department of the Air Force	56,996	8,499	1,959	153	0	16,186	11,933	14,995	3,271
Defense agencies, total	245,303	6,029	3,972	5,432	3,767	75,572	24,127	99,067	27,337
Advanced Rsch Projects Agency	90,621	0	0	149	0	12,853	0	61,611	16,008
Ballistic Missile Defense Organization	13,140	400	1,600	74	0	10,945	97	24	0
Defense Nuclear Agency	672	0	0	0	343	329	0	0	0
Washington Headquarters Svcs	140,870	5,629	2,372	5,209	3,424	51,445	24,030	37,432	11,329
Department of Energy	86,691	0	0	22,055	3,047	2,373	10,252	21,451	27,513
Dept of Health & Human Svcs, total	43,913	0	0	0	0	0	0	0	43,913
National Institutes of Health	43,913	0	0	0	0	0	0	0	43,913
Other agencies:									
National Aeronautics & Space Admin	108,577	30,487	10,902	2,407	180	8,117	11,428	20,809	24,247
National Science Foundation	211,683	2,695	0	33,906	25,463	50,615	29,685	20,331	48,988

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-62. Federal obligations for research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	490,134	135,887	337,829	16,418	216,015	6,965	58,844	4,494	34,091	111,621
Departments:										
Department of Agriculture, total	2,688	632	2,056	0	52,185	11	44,802	0	7,372	0
Agricultural Cooperative Service	0	0	0	0	297	0	297	0	0	0
Agricultural Research Service	2,056	0	2,056	0	25	0	25	0	0	0
Cooperative State Research Svc	0	0	0	0	48,013	0	40,814	0	7,199	0
Economic Research Service	0	0	0	0	1,848	0	1,848	0	0	0
Forest Service	367	367	0	0	2,002	11	1,818	0	173	0
Nat'l Agricultural Statistics Svc	265	265	0	0	0	0	0	0	0	0
Department of Defense, total	232,481	39,716	187,927	4,838	17,488	303	71	0	48	17,066
Department of the Army	14,592	6,105	8,457	30	119	0	71	0	48	0
Department of the Navy	24,056	12,648	11,340	68	0	0	0	0	0	0
Department of the Air Force	18,129	9,753	8,376	0	10,867	303	0	0	0	10,564
Defense agencies, total	175,704	11,210	159,754	4,740	6,502	0	0	0	0	6,502
Advanced Rsch Projects Agency	146,211	2,271	139,217	4,723	0	0	0	0	0	0
Ballistic Missile Defense Organization	4,036	24	3,995	17	0	0	0	0	0	0
Washington Headquarters Svcs	25,457	8,915	16,542	0	6,502	0	0	0	0	6,502
Department of Energy	12,170	7,575	4,595	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	7,941	6,929	845	167	97,952	0	1,170	40	20,878	75,864
Administration on Aging[1]	0	0	0	0	1,185	0	0	0	0	1,185
Admin for Children & Families[1]	0	0	0	0	2,600	0	0	0	0	2,600
Agency for Health Care Policy & Research[2]	1,468	456	845	167	25,788	0	1,170	40	20,878	3,700
National Institutes of Health	6,473	6,473	0	0	63,310	0	0	0	0	63,310
Office of the Secretary	0	0	0	0	3,973	0	0	0	0	3,973
Social Security Administration	0	0	0	0	1,096	0	0	0	0	1,096
Other agencies:										
National Aeronautics & Space Admin	25,948	684	19,151	6,113	331	0	0	0	212	119
National Science Foundation	208,906	80,351	123,255	5,300	48,059	6,651	12,801	4,454	5,581	18,572

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[1] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[2] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The research obligations of the six agencies included in this table represent approximately 97 percent of total Federal research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-63. Federal obligations for basic research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1993	Estimates	
		1994	1995
Total, all fields	6,741,248	7,266,663	7,450,413
Life sciences, total	3,741,014	4,040,486	4,174,811
Biological (excluding environmental)	2,023,749	2,151,404	2,268,470
Environmental biology	108,217	151,249	124,933
Agricultural	73,603	78,707	78,151
Medical	1,458,735	1,575,210	1,616,195
Life sciences, n.e.c	76,710	83,916	87,062
Psychology, total	166,637	175,298	184,805
Biological aspects	12,932	12,866	15,023
Social aspects	12,961	12,898	13,577
Psychological sciences, n.e.c.	140,744	149,534	156,205
Physical sciences, total	941,646	1,011,613	1,045,060
Astronomy	110,478	135,858	132,463
Chemistry	300,161	314,770	338,567
Physics	445,221	482,406	490,220
Physical sciences, n.e.c.	85,786	78,579	83,810
Environmental sciences, total	559,028	612,778	623,983
Atmospheric	151,516	166,772	165,341
Geological	174,416	192,807	193,428
Oceanography	144,592	154,420	160,735
Environmental sciences, n.e.c.	88,504	98,779	104,479
Mathematics & computer sciences, total	352,025	378,716	391,170
Mathematics	130,379	138,384	145,680
Computer sciences	217,363	234,842	239,751
Mathematics & computer sciences, n.e.c.	4,283	5,490	5,739
Engineering, total	580,032	645,839	630,623
Aeronautical	39,736	48,375	51,534
Astronautical	11,857	13,515	14,250
Chemical	37,726	41,302	41,580
Civil	26,206	27,774	28,732
Electrical	146,438	181,391	141,360
Mechanical	99,182	107,969	114,971
Metallurgy & materials	127,803	136,574	144,257
Engineering, n.e.c	91,084	88,939	93,939
Social sciences, total	109,399	107,785	113,743
Anthropology	6,416	7,035	8,066
Economics	22,570	23,461	23,543
Political science	3,878	4,119	4,617
Sociology	7,271	7,626	8,291
Social sciences, n.e.c.	69,264	65,544	69,226
Other sciences, n.e.c.	291,467	294,148	286,218

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal years 1993, 1994, and 1995.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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Table C-64. Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	6,741,248	3,741,014	166,637	941,646	559,028	352,025	580,032	109,399	291,467
Departments:									
Department of Agriculture, total	196,979	162,098	16	11,392	1,894	1,354	5,539	14,686	0
Agricultural Research Service	12,292	10,931	16	0	18	1,229	83	15	0
Cooperative State Research Svc	175,906	144,041	0	11,392	1,401	0	5,414	13,658	0
Economic Research Service	333	0	0	0	0	0	0	333	0
Forest Service	8,408	7,086	0	0	475	125	42	680	0
Office of International Cooperation & Development[1]	40	40	0	0	0	0	0	0	0
Department of Defense, total	763,675	84,759	18,667	110,347	105,682	117,006	272,102	17,066	38,046
Department of the Army	60,407	10,142	2,569	9,706	5,329	10,799	21,862	0	0
Department of the Navy	216,727	18,897	12,764	31,564	76,134	22,730	54,169	0	469
Department of the Air Force	138,217	10,387	89	27,679	10,863	17,226	32,269	10,564	29,140
Defense agencies, total	348,324	45,333	3,245	41,398	13,356	66,251	163,802	6,502	8,437
Advanced Rsch Projects Agency	66,076	178	0	1,822	0	40,794	23,282	0	0
Washington Headquarters Svcs	282,248	45,155	3,245	39,576	13,356	25,457	140,520	6,502	8,437
Department of Energy	371,448	56,602	0	209,885	50,069	12,170	41,837	0	885
Dept of Health & Human Svcs, total	3,541,024	3,149,159	135,801	83,164	0	4,363	29,537	36,473	102,527
National Institutes of Health	3,541,024	3,149,159	135,801	83,164	0	4,363	29,537	36,473	102,527
Other agencies:									
National Aeronautics & Space Admin	420,977	30,489	3,270	152,105	121,148	21,117	72,832	331	19,685
National Science Foundation	1,447,145	257,907	8,883	374,753	280,235	196,015	158,185	40,843	130,324

[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-65. Estimated Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	7,266,663	4,040,486	175,298	1,011,613	612,778	378,716	645,839	107,785	294,148
Departments:									
Department of Agriculture, total	209,502	173,109	16	11,910	2,205	1,330	5,798	15,134	0
Agricultural Research Service	12,906	11,569	16	0	17	1,207	82	15	0
Cooperative State Research Svc	188,083	154,811	0	11,910	1,430	0	5,675	14,257	0
Economic Research Service	198	0	0	0	0	0	0	198	0
Forest Service	8,227	6,641	0	0	758	123	41	664	0
Foreign Agricultural Service[1]	88	88	0	0	0	0	0	0	0
Department of Defense, total	859,460	146,905	17,603	124,545	115,138	118,148	304,164	10,520	22,437
Department of the Army	62,141	9,779	2,141	13,910	4,679	10,249	21,383	0	0
Department of the Navy	207,168	17,405	12,369	30,206	73,183	22,019	51,757	0	229
Department of the Air Force	132,180	10,827	319	24,082	18,536	15,561	31,519	10,258	21,078
Defense agencies, total	457,971	108,894	2,774	56,347	18,740	70,319	199,505	262	1,130
Advanced Rsch Projects Agency	48,414	0	0	682	0	26,941	20,791	0	0
Washington Headquarters Svcs	409,557	108,894	2,774	55,665	18,740	43,378	178,714	262	1,130
Department of Energy	377,870	64,295	0	208,909	49,501	12,562	42,221	0	382
Dept of Health & Human Svcs, total	3,759,267	3,341,591	143,975	90,302	0	4,583	32,777	38,322	107,717
Health Resources & Svcs Admin	13	13	0	0	0	0	0	0	0
National Institutes of Health	3,759,254	3,341,578	143,975	90,302	0	4,583	32,777	38,322	107,717
Other agencies:									
National Aeronautics & Space Admin	509,638	36,910	3,959	184,139	146,663	25,565	88,171	401	23,830
National Science Foundation	1,550,926	277,676	9,745	391,808	299,271	216,528	172,708	43,408	139,782

[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1994.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-66. Estimated Federal obligations for basic research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	7,450,413	4,174,811	184,805	1,045,060	623,983	391,170	630,623	113,743	286,218
Departments:									
Department of Agriculture, total	208,556	175,983	16	10,509	1,800	1,330	5,298	13,620	0
Agricultural Research Service	13,176	11,839	16	0	17	1,207	82	15	0
Cooperative State Research Svc	186,865	157,415	0	10,509	1,025	0	5,175	12,741	0
Economic Research Service	198	0	0	0	0	0	0	198	0
Forest Service	8,228	6,640	0	0	758	123	41	666	0
Foreign Agricultural Service[1]	89	89	0	0	0	0	0	0	0
Department of Defense, total	739,268	88,079	18,995	110,777	103,898	105,251	276,721	11,916	23,631
Department of the Army	66,641	9,763	2,087	14,988	4,252	11,826	23,725	0	0
Department of the Navy	216,513	18,123	12,918	31,538	76,402	23,015	54,278	0	239
Department of the Air Force	133,008	13,094	81	26,095	7,011	17,856	36,310	11,556	21,005
Defense agencies, total	323,106	47,099	3,909	38,156	16,233	52,554	162,408	360	2,387
Advanced Rsch Projects Agency	40,609	0	0	0	0	21,544	19,065	0	0
Washington Headquarters Svcs	282,497	47,099	3,909	38,156	16,233	31,010	143,343	360	2,387
Department of Energy	385,940	76,866	0	210,192	43,175	12,799	42,908	0	0
Dept of Health & Human Svcs, total	3,932,131	3,495,248	150,592	94,454	0	4,793	34,284	40,084	112,676
Health Resources & Svcs Admin	13	13	0	0	0	0	0	0	0
National Institutes of Health	3,932,118	3,495,235	150,592	94,454	0	4,793	34,284	40,084	112,676
Other agencies:									
National Aeronautics & Space Admin	509,638	36,911	3,959	184,139	146,663	25,565	88,170	401	23,830
National Science Foundation	1,674,880	301,724	11,243	434,989	328,447	241,432	183,242	47,722	126,081

[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1995.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-67. Federal obligations for basic research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	166,637	12,932	12,961	140,744	3,741,014	2,023,749	108,217	73,603	1,458,735	76,710
Departments:										
Department of Agriculture, total	16	0	16	0	162,098	60,933	22,732	72,913	5,520	0
Agricultural Research Service	16	0	16	0	10,931	2,077	809	7,959	86	0
Cooperative State Research Svc	0	0	0	0	144,041	53,785	19,908	64,914	5,434	0
Forest Service	0	0	0	0	7,086	5,071	2,015	0	0	0
Office of International Cooperation & Development[1]	0	0	0	0	40	0	0	40	0	0
Department of Defense, total	18,667	8,309	8,658	1,700	84,759	32,579	16,935	170	31,013	4,062
Department of the Army	2,569	0	2,558	11	10,142	2,339	52	0	7,751	0
Department of the Navy	12,764	5,223	5,852	1,689	18,897	8,517	7,220	0	3,160	0
Department of the Air Force	89	0	89	0	10,387	3,548	2,777	0	0	4,062
Defense agencies, total	3,245	3,086	159	0	45,333	18,175	6,886	170	20,102	0
Advanced Rsch Projects Agency	0	0	0	0	178	0	0	0	178	0
Washington Headquarters Svcs	3,245	3,086	159	0	45,155	18,175	6,886	170	19,924	0
Department of Energy	0	0	0	0	56,602	54,420	875	0	0	1,307
Dept of Health & Human Svcs, total	135,801	0	0	135,801	3,149,159	1,676,506	86	0	1,415,587	56,980
National Institutes of Health	135,801	0	0	135,801	3,149,159	1,676,506	86	0	1,415,587	56,980
Other agencies:										
National Aeronautics & Space Admin	3,270	62	383	2,825	30,489	14,570	1,206	520	6,615	7,578
National Science Foundation	8,883	4,561	3,904	418	257,907	184,741	66,383	0	0	6,783

[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-68. Federal obligations for basic research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	941,646	110,478	300,161	445,221	85,786	559,028	151,516	174,416	144,592	88,504
Departments:										
Department of Agriculture, total	11,392	18	11,374	0	0	1,894	1,662	232	0	0
Agricultural Research Service	0	0	0	0	0	18	0	18	0	0
Cooperative State Research Svc	11,392	18	11,374	0	0	1,401	1,401	0	0	0
Forest Service	0	0	0	0	0	475	261	214	0	0
Department of Defense, total	110,347	6,238	49,986	54,094	29	105,682	12,195	35,992	56,349	1,146
Department of the Army	9,706	0	4,625	5,052	29	5,329	2,373	1,771	39	1,146
Department of the Navy	31,564	0	15,784	15,780	0	76,134	4,158	24,187	47,789	0
Department of the Air Force	27,679	5,291	12,147	10,241	0	10,863	4,305	6,558	0	0
Defense agencies, total	41,398	947	17,430	23,021	0	13,356	1,359	3,476	8,521	0
Advanced Rsch Projects Agency	1,822	0	541	1,281	0	0	0	0	0	0
Washington Headquarters Svcs	39,576	947	16,889	21,740	0	13,356	1,359	3,476	8,521	0
Department of Energy	209,885	0	38,905	170,980	0	50,069	28,257	17,847	3,447	518
Dept of Health & Human Svcs, total	83,164	0	77,362	5,802	0	0	0	0	0	0
National Institutes of Health	83,164	0	77,362	5,802	0	0	0	0	0	0
Other agencies:										
National Aeronautics & Space Admin	152,105	68,076	6,123	54,911	22,995	121,148	46,664	22,401	12,467	39,616
National Science Foundation	374,753	36,146	116,411	159,434	62,762	280,235	62,738	97,944	72,329	47,224

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-69. Federal obligations for basic research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Total, all agencies	580,032	39,736	11,857	37,726	26,206	146,438	99,182	127,803	91,084
Departments:									
Department of Agriculture, total	5,539	0	0	0	0	0	0	0	5,539
Agricultural Research Service	83	0	0	0	0	0	0	0	83
Cooperative State Research Svc	5,414	0	0	0	0	0	0	0	5,414
Forest Service	42	0	0	0	0	0	0	0	42
Department of Defense, total	272,102	12,966	2,372	5,476	4,046	97,864	56,809	76,353	16,216
Department of the Army	21,862	2,954	0	118	622	8,858	3,361	5,856	93
Department of the Navy	54,169	0	0	0	0	22,385	17,991	13,793	0
Department of the Air Force	32,269	4,383	0	0	0	13,431	11,427	3,028	0
Defense agencies, total	163,802	5,629	2,372	5,358	3,424	53,190	24,030	53,676	16,123
Advanced Rsch Projects Agency	23,282	0	0	149	0	1,745	0	16,244	5,144
Washington Headquarters Svcs	140,520	5,629	2,372	5,209	3,424	51,445	24,030	37,432	10,979
Department of Energy	41,837	0	0	5,636	0	0	10,185	20,882	5,134
Dept of Health & Human Svcs, total	29,537	0	0	0	0	0	0	0	29,537
National Institutes of Health	29,537	0	0	0	0	0	0	0	29,537
Other agencies:									
National Aeronautics & Space Admin	72,832	24,154	9,485	2,192	180	5,541	8,996	13,527	8,757
National Science Foundation	158,185	2,616	0	24,422	21,980	43,033	23,192	17,041	25,901

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-70. Federal obligations for basic research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	352,025	130,379	217,363	4,283	109,399	6,416	22,570	3,878	7,271	69,264
Departments										
Department of Agriculture, total	1,354	125	1,229	0	14,686	0	12,069	0	2,617	0
Agricultural Research Service	1,229	0	1,229	0	15	0	15	0	0	0
Cooperative State Research Svc	0	0	0	0	13,658	0	11,100	0	2,558	0
Economic Research Service	0	0	0	0	333	0	333	0	0	0
Forest Service	125	125	0	0	680	0	621	0	59	0
Department of Defense, total	117,006	38,374	78,350	282	17,066	0	0	0	0	17,066
Department of the Army	10,799	6,105	4,664	30	0	0	0	0	0	0
Department of the Navy	22,730	12,611	10,119	0	0	0	0	0	0	0
Department of the Air Force	17,226	9,513	7,713	0	10,564	0	0	0	0	10,564
Defense agencies, total	66,251	10,145	55,854	252	6,502	0	0	0	0	6,502
Advanced Rsch Projects Agency	40,794	1,230	39,312	252	0	0	0	0	0	0
Washington Headquarters Svcs	25,457	8,915	16,542	0	6,502	0	0	0	0	6,502
Department of Energy	12,170	7,575	4,595	0	0	0	0	0	0	0
Dept of Health & Human Svcs, total	4,363	4,363	0	0	36,473	0	0	0	0	36,473
National Institutes of Health	4,363	4,363	0	0	36,473	0	0	0	0	36,473
Other agencies										
National Aeronautics & Space Admin	21,117	684	16,732	3,701	331	0	0	0	212	119
National Science Foundation	196,015	79,258	116,457	300	40,843	6,416	10,501	3,878	4,442	15,606

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The basic research obligations of the six agencies included in this table represent approximately 99 percent of total Federal basic research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-71. Federal obligations for applied research performed at universities and colleges, by detailed field of science and engineering: fiscal years 1993, 1994, and 1995

[Dollars in thousands]

Page 1 of 1

Field of science and engineering	1993	Estimates	
		1994	1995
Total, all fields	2,754,803	2,970,050	3,017,344
Life sciences, total	1,711,230	1,822,232	1,849,604
Biological (excluding environmental)	718,624	762,385	792,869
Environmental biology	52,241	53,264	50,278
Agricultural	78,701	83,198	74,467
Medical	829,493	889,841	899,333
Life sciences, n.e.c.	32,171	33,544	32,657
Psychology, total	120,849	127,725	132,892
Biological aspects	452	869	576
Social aspects	3,800	3,443	3,278
Psychological sciences, n.e.c.	116,597	123,413	129,038
Physical sciences, total	230,984	255,077	253,533
Astronomy	9,659	10,592	9,875
Chemistry	47,764	51,100	48,304
Physics	162,767	176,379	179,535
Physical sciences, n.e.c.	10,794	17,006	15,819
Environmental sciences, total	31,342	40,828	26,842
Atmospheric	8,046	9,292	7,292
Geological	14,090	13,500	10,727
Oceanography	2,114	2,104	2,256
Environmental sciences, n.e.c.	7,092	15,932	6,567
Mathematics & computer sciences, total	138,109	201,555	238,114
Mathematics	5,508	9,732	11,426
Computer sciences	120,466	182,072	217,047
Mathematics & computer sciences, n.e.c.	12,135	9,751	9,641
Engineering, total	307,956	301,087	300,779
Aeronautical	12,399	12,149	11,987
Astronautical	8,590	7,577	8,947
Chemical	27,643	30,684	28,383
Civil	11,528	12,418	12,506
Electrical	49,257	36,623	32,190
Mechanical	18,145	18,340	19,033
Metallurgy & materials	72,759	57,227	56,797
Engineering, n.e.c.	107,635	126,069	130,936
Social sciences, total	106,616	111,159	100,009
Anthropology	549	615	313
Economics	36,274	37,011	31,131
Political science	616	614	716
Sociology	26,820	32,259	25,753
Social sciences, n.e.c.	42,357	40,660	42,096
Other sciences, n.e.c.	107,717	110,387	115,571

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal years 1993, 1994, and 1995.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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Table C-72. Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	2,754,803	1,711,230	120,849	230,984	31,342	138,109	307,956	106,616	107,717
Departments:									
Department of Agriculture, total	232,151	163,282	11	14,015	3,470	1,334	12,540	37,499	0
Agricultural Cooperative Service	297	0	0	0	0	0	0	297	0
Agricultural Marketing Service[1]	203	203	0	0	0	0	0	0	0
Agricultural Research Service	8,269	7,353	11	0	12	827	56	10	0
Cooperative State Research Svc	204,506	141,601	0	14,015	2,132	0	12,403	34,355	0
Economic Research Service	1,515	0	0	0	0	0	0	1,515	0
Forest Service	16,322	13,351	0	0	1,326	242	81	1,322	0
Human Nutrition Information Svc	654	654	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	265	0	0	0	0	265	0	0	0
Office of International Cooperation & Development[2]	120	120	0	0	0	0	0	0	0
Department of Defense, total	326,441	19,842	4,267	27,433	10,153	115,475	146,943	422	1,906
Department of the Army	36,460	7,843	2,245	525	2,913	3,793	18,219	119	803
Department of the Navy	38,523	2,201	1,136	9,705	1,333	1,326	22,496	0	326
Department of the Air Force	43,004	9,798	886	6,387	0	903	24,727	303	0
Defense agencies, total	208,454	0	0	10,816	5,907	109,453	81,501	0	777
Advanced Rsch Projects Agency	176,444	0	0	557	3,131	105,417	67,339	0	0
Ballistic Missile Defense Organization	27,295	0	0	10,095	24	4,036	13,140	0	0
Defense Nuclear Agency	4,365	0	0	164	2,752	0	672	0	777
Washington Headquarters Svcs	350	0	0	0	0	0	350	0	0
Department of Energy	175,944	15,827	0	100,419	10,067	0	44,854	0	4,777
Dept of Health & Human Svcs, total	1,787,485	1,492,646	111,575	15,647	0	3,578	14,376	61,479	88,184
Administration on Aging[3]	1,185	0	0	0	0	0	0	1,185	0
Admin for Children & Families[3]	2,600	0	0	0	0	0	0	2,600	0
Agency for Health Care Policy & Research[4]	53,296	22,781	0	0	0	1,468	0	25,788	3,259
Centers for Disease Control	42,448	42,448	0	0	0	0	0	0	0
Food & Drug Administration	8,043	8,043	0	0	0	0	0	0	0
Health Care Financing Admin	6,066	6,066	0	0	0	0	0	0	0
Health Resources & Svcs Admin	5,397	5,397	0	0	0	0	0	0	0
National Institutes of Health	1,663,381	1,407,911	111,575	15,647	0	2,110	14,376	26,837	84,925
Office of the Secretary	3,973	0	0	0	0	0	0	3,973	0
Social Security Administration	1,096	0	0	0	0	0	0	1,096	0
Other agencies:									
National Aeronautics & Space Admin	117,998	7,209	1,060	59,478	4,640	4,831	35,745	0	5,035
National Science Foundation	114,784	12,424	3,936	13,992	3,012	12,891	53,498	7,216	7,815

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-73. Estimated Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1994

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	2,970,050	1,822,232	127,725	255,077	40,828	201,555	301,087	111,159	110,387
Departments:									
Department of Agriculture, total	240,015	170,064	11	14,432	3,630	1,214	12,984	37,680	0
Agricultural Research Service	8,843	7,927	11	0	12	827	56	10	0
Cooperative State Research Svc	213,599	148,701	0	14,432	2,144	0	12,849	35,473	0
Economic Research Service	902	0	0	0	0	0	0	902	0
Forest Service	15,974	12,889	0	0	1,474	237	79	1,295	0
Foreign Agricultural Service[1]	264	264	0	0	0	0	0	0	0
Human Nutrition Information Svc	283	283	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	150	0	0	0	0	150	0	0	0
Department of Defense, total	346,222	14,206	4,032	20,942	16,195	174,550	114,863	458	976
Department of the Army	26,458	5,797	2,232	403	3,099	2,884	11,395	117	531
Department of the Navy	31,423	1,235	927	8,190	1,088	1,082	18,635	0	266
Department of the Air Force	42,162	7,174	873	6,925	0	1,159	25,690	341	0
Defense agencies, total	246,179	0	0	5,424	12,008	169,425	59,143	0	179
Advanced Rsch Projects Agency	225,598	0	0	1,562	8,190	168,264	47,582	0	0
Ballistic Missile Defense Organization	16,102	0	0	3,609	43	1,161	11,289	0	0
Defense Nuclear Agency	4,479	0	0	253	3,775	0	272	0	179
Department of Energy	212,684	29,876	0	113,488	11,792	0	52,521	0	5,007
Dept of Health & Human Svcs, total	1,900,882	1,587,072	117,740	17,487	0	4,227	15,355	65,791	93,210
Administration on Aging[2]	788	0	0	0	0	0	0	788	0
Admin for Children & Families[2]	1,500	0	0	0	0	0	0	1,500	0
Agency for Health Care Policy & Research[3]	67,350	28,961	0	0	0	2,012	0	32,328	4,049
Centers for Disease Control	44,570	44,570	0	0	0	0	0	0	0
Food & Drug Administration	10,163	10,163	0	0	0	0	0	0	0
Health Care Financing Admin	7,345	7,345	0	0	0	0	0	0	0
Health Resources & Svcs Admin	5,456	5,456	0	0	0	0	0	0	0
National Institutes of Health	1,760,710	1,490,577	117,740	17,487	0	2,215	15,355	28,175	89,161
Office of the Secretary	2,000	0	0	0	0	0	0	2,000	0
Social Security Administration	1,000	0	0	0	0	0	0	1,000	0
Other agencies:									
National Aeronautics & Space Admin	142,849	8,727	1,283	72,004	5,617	5,849	43,273	0	6,096
National Science Foundation	127,398	12,287	4,659	16,724	3,594	15,715	62,091	7,230	5,098

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[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[2] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1994.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-74. Estimated Federal obligations for applied research performed at universities and colleges, by agency and field of science and engineering: fiscal year 1995

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Life sciences	Psychology	Physical sciences	Environmental sciences	Mathematics and computer sciences	Engineering	Social sciences	Other sciences, n.e.c.
Total, all agencies	3,017,344	1,849,604	132,892	253,533	26,842	238,114	300,779	100,009	115,571
Departments:									
Department of Agriculture, total	211,821	153,908	11	11,500	2,888	1,214	10,956	31,344	0
Agricultural Research Service	9,028	8,112	11	0	12	827	56	10	0
Cooperative State Research Svc	185,302	132,441	0	11,500	1,402	0	10,821	29,138	0
Economic Research Service	902	0	0	0	0	0	0	902	0
Forest Service	15,973	12,889	0	0	1,474	237	79	1,294	0
Foreign Agricultural Service[1]	266	266	0	0	0	0	0	0	0
Human Nutrition Information Svc	200	200	0	0	0	0	0	0	0
Nat'l Agricultural Statistics Svc	150	0	0	0	0	150	0	0	0
Department of Defense, total	373,348	12,698	3,550	24,777	4,865	210,762	115,753	149	794
Department of the Army	27,236	5,480	1,704	302	2,837	6,032	10,341	149	391
Department of the Navy	34,997	1,252	1,032	9,176	1,211	1,205	20,825	0	296
Department of the Air Force	38,857	5,966	814	7,188	0	1,105	23,784	0	0
Defense agencies, total	272,258	0	0	8,111	817	202,420	60,803	0	107
Advanced Rsch Projects Agency	253,142	0	0	1,751	408	201,584	49,399	0	0
Ballistic Missile Defense Organization	18,173	0	0	6,272	129	836	10,936	0	0
Defense Nuclear Agency	943	0	0	88	280	0	468	0	107
Department of Energy	183,880	14,153	0	109,330	9,518	0	46,079	0	4,800
Dept of Health & Human Svcs, total	1,963,997	1,646,564	123,155	18,292	0	3,853	16,061	59,723	96,349
Administration on Aging[2]	1,100	0	0	0	0	0	0	1,100	0
Admin for Children & Families[2]	1,480	0	0	0	0	0	0	1,480	0
Agency for Health Care Policy & Research[3]	51,402	22,103	0	0	0	1,536	0	24,673	3,090
Centers for Disease Control	44,570	44,570	0	0	0	0	0	0	0
Food & Drug Administration	10,166	10,166	0	0	0	0	0	0	0
Health Care Financing Admin	6,120	6,120	0	0	0	0	0	0	0
Health Resources & Svcs Admin	4,485	4,485	0	0	0	0	0	0	0
National Institutes of Health	1,841,674	1,559,120	123,155	18,292	0	2,317	16,061	29,470	93,259
Office of the Secretary	2,000	0	0	0	0	0	0	2,000	0
Social Security Administration	1,000	0	0	0	0	0	0	1,000	0
Other agencies:									
National Aeronautics & Space Admin	142,849	8,727	1,283	72,004	5,618	5,849	43,273	0	6,095
National Science Foundation	141,449	13,554	4,893	17,630	3,953	16,436	68,657	8,793	7,533

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[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[2] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1995.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-75. Federal obligations for applied research performed at universities and colleges in psychology and life sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Psychology				Life sciences					
	Total	Bio-logical aspects	Social aspects	Psycho-logical sciences, n.e.c.	Total	Bio-logical	Environ-mental biology	Agri-cultural	Medical	Life sciences, n.e.c.
Total, all agencies	120,849	452	3,800	116,597	1,711,230	718,624	52,241	78,701	829,493	32,171
Departments:										
Department of Agriculture, total	11	0	11	0	163,282	39,936	43,027	75,564	4,755	0
Agricultural Marketing Service[1]	0	0	0	0	203	0	0	203	0	0
Agricultural Research Service	11	0	11	0	7,353	1,398	544	5,353	58	0
Cooperative State Research Svc	0	0	0	0	141,601	29,097	38,573	69,234	4,697	0
Forest Service	0	0	0	0	13,351	9,441	3,910	0	0	0
Human Nutrition Information Svc	0	0	0	0	654	0	0	654	0	0
Office of International Cooperation & Development[2]	0	0	0	0	120	0	0	120	0	0
Department of Defense, total	4,267	328	3,571	368	19,842	276	5,654	0	11,124	2,788
Department of the Army	2,245	0	2,245	0	7,843	0	887	0	5,821	1,135
Department of the Navy	1,136	174	962	0	2,201	276	130	0	1,795	0
Department of the Air Force	886	154	364	368	9,798	0	4,637	0	3,508	1,653
Department of Energy	0	0	0	0	15,827	1,444	438	50	13,679	216
Dept of Health & Human Svcs, total	111,575	0	0	111,575	1,492,646	664,568	77	3,087	798,703	26,211
Agency for Health Care Policy & Research[3]	0	0	0	0	22,781	0	0	0	21,471	1,310
Centers for Disease Control	0	0	0	0	42,448	0	0	0	42,448	0
Food & Drug Administration	0	0	0	0	8,043	3,959	0	3,087	0	997
Health Care Financing Admin	0	0	0	0	6,066	0	0	0	0	6,066
Health Resources & Svcs Admin	0	0	0	0	5,397	0	0	0	5,397	0
National Institutes of Health	111,575	0	0	111,575	1,407,911	660,609	77	0	729,387	17,838
Other agencies:										
National Aeronautics & Space Admin	1,060	0	110	950	7,209	4,401	153	0	1,232	1,423
National Science Foundation	3,936	124	108	3,704	12,424	7,999	2,892	0	0	1,533

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-76. Federal obligations for applied research performed at universities and colleges in physical and environmental sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Physical sciences					Environmental sciences				
	Total	Astronomy	Chemistry	Physics	Physical sciences, n.e.c.	Total	Atmospheric	Geological	Oceanography	Environmental sciences, n.e.c.
Total, all agencies	230,984	9,659	47,764	162,767	10,794	31,342	8,046	14,090	2,114	7,092
Departments:										
Department of Agriculture, total	14,015	15	14,000	0	0	3,470	2,638	832	0	0
Agricultural Research Service	0	0	0	0	0	12	0	12	0	0
Cooperative State Research Svc	14,015	15	14,000	0	0	2,132	2,132	0	0	0
Forest Service	0	0	0	0	0	1,326	506	820	0	0
Department of Defense, total	27,433	0	3,537	23,398	498	10,153	1,725	3,294	972	4,162
Department of the Army	525	0	100	152	273	2,913	1,449	44	10	1,410
Department of the Navy	9,705	0	952	8,528	225	1,333	252	119	962	0
Department of the Air Force	6,387	0	576	5,811	0	0	0	0	0	0
Defense agencies, total	10,816	0	1,909	8,907	0	5,907	24	3,131	0	2,752
Advanced Rsch Projects Agency	557	0	0	557	0	3,131	0	3,131	0	0
Ballistic Missile Defense Organization	10,095	0	1,909	8,186	0	24	24	0	0	0
Defense Nuclear Agency	164	0	0	164	0	2,752	0	0	0	2,752
Department of Energy	100,419	0	11,858	87,868	693	10,067	241	8,803	0	1,023
Dept of Health & Human Svcs, total	15,647	0	14,668	979	0	0	0	0	0	0
National Institutes of Health	15,647	0	14,668	979	0	0	0	0	0	0
Other agencies:										
National Aeronautics & Space Admin	59,478	9,603	304	48,484	1,087	4,640	3,326	116	50	1,148
National Science Foundation	13,992	41	3,397	2,038	8,516	3,012	116	1,045	1,092	759

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-77. Federal obligations for applied research performed at universities and colleges in engineering, by agency and detailed field of engineering: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Total	Aeronautical	Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering, n.e.c.
Total, all agencies	307,956	12,399	8,590	27,643	11,528	49,257	18,145	72,759	107,635
Departments:									
Department of Agriculture, total	12,540	0	0	0	0	0	0	0	12,540
Agricultural Research Service	56	0	0	0	0	0	0	0	56
Cooperative State Research Svc	12,403	0	0	0	0	0	0	0	12,403
Forest Service	81	0	0	0	0	0	0	0	81
Department of Defense, total	146,943	5,987	7,173	1,525	4,998	36,726	9,153	61,618	19,763
Department of the Army	18,219	895	2	722	3,586	3,878	3,649	359	5,128
Department of the Navy	22,496	576	3,612	576	1,069	7,711	4,901	3,901	150
Department of the Air Force	24,727	4,116	1,959	153	0	2,755	506	11,967	3,271
Defense agencies, total	81,501	400	1,600	74	343	22,382	97	45,391	11,214
Advanced Rsch Projects Agency	67,339	0	0	0	0	11,108	0	45,367	10,864
Ballistic Missile Defense Organization	13,140	400	1,600	74	0	10,945	97	24	0
Defense Nuclear Agency	672	0	0	0	343	329	0	0	0
Washington Headquarters Svcs	350	0	0	0	0	0	0	0	350
Department of Energy	44,854	0	0	16,419	3,047	2,373	67	569	22,379
Dept of Health & Human Svcs, total	14,376	0	0	0	0	0	0	0	14,376
National Institutes of Health	14,376	0	0	0	0	0	0	0	14,376
Other agencies:									
National Aeronautics & Space Admin	35,745	6,333	1,417	215	0	2,576	2,432	7,282	15,490
National Science Foundation	53,498	79	0	9,484	3,483	7,582	6,493	3,290	23,087

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-78. Federal obligations for applied research performed at universities and colleges in mathematics and computer sciences and in social sciences, by agency and detailed field of science: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

Agency and subdivision	Mathematics and computer sciences				Social sciences					
	Total	Mathematics	Computer sciences	Mathematics and computer sciences, n.e.c.	Total	Anthropology	Economics	Political science	Sociology	Social sciences, n.e.c.
Total, all agencies	138,109	5,508	120,466	12,135	106,616	549	36,274	616	26,820	42,357
Departments										
Department of Agriculture, total	1,334	507	827	0	37,499	11	32,733	0	4,755	0
Agricultural Cooperative Service	0	0	0	0	297	0	297	0	0	0
Agricultural Research Service	827	0	827	0	10	0	10	0	0	0
Cooperative State Research Svc	0	0	0	0	34,355	0	29,714	0	4,641	0
Economic Research Service	0	0	0	0	1,515	0	1,515	0	0	0
Forest Service	242	242	0	0	1,322	11	1,197	0	114	0
Nat'l Agricultural Statistics Svc	265	265	0	0	0	0	0	0	0	0
Department of Defense, total	115,475	1,342	109,577	4,556	422	303	71	0	48	0
Department of the Army	3,793	0	3,793	0	119	0	71	0	48	0
Department of the Navy	1,326	37	1,221	68	0	0	0	0	0	0
Department of the Air Force	903	240	663	0	303	303	0	0	0	0
Defense agencies, total	109,453	1,065	103,900	4,488	0	0	0	0	0	0
Advanced Rsch Projects Agency	105,417	1,041	99,905	4,471	0	0	0	0	0	0
Ballistic Missile Defense Organization	4,036	24	3,995	17	0	0	0	0	0	0
Dept of Health & Human Svcs, total	3,578	2,566	845	167	61,479	0	1,170	40	20,878	39,391
Administration on Aging[1]	0	0	0	0	1,185	0	0	0	0	1,185
Admin for Children & Families[1]	0	0	0	0	2,600	0	0	0	0	2,600
Agency for Health Care Policy & Research[2]	1,468	456	845	167	25,788	0	1,170	40	20,878	3,700
National Institutes of Health	2,110	2,110	0	0	26,837	0	0	0	0	26,837
Office of the Secretary	0	0	0	0	3,973	0	0	0	0	3,973
Social Security Administration	0	0	0	0	1,096	0	0	0	0	1,096
Other agencies:										
National Aeronautics & Space Admin	4,831	0	2,419	2,412	0	0	0	0	0	0
National Science Foundation	12,891	1,093	6,798	5,000	7,216	235	2,300	576	1,139	2,966

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[1] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[2] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

NOTES: Only the following six agencies are required to report to this section of the survey: the Departments of Agriculture, Defense, Energy, and Health and Human Services; the National Aeronautics and Space Administration; and the National Science Foundation. The applied research obligations of the six agencies included in this table represent approximately 90 percent of total Federal applied research obligations to universities and colleges in fiscal year 1993.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-79. Federal obligations for research and development and for R&D plant, by State: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

State	Research, development, and R&D plant	Research and development	R&D plant
Total	68,798,660	65,744,145	3,054,515
Alabama	2,517,507	2,149,352	368,155
Alaska	93,689	92,692	997
Arizona	552,144	535,274	16,870
Arkansas	82,441	79,185	3,256
California	15,353,329	14,883,737	469,592
Colorado	1,373,355	1,343,392	29,963
Connecticut	536,540	522,181	14,359
Delaware	58,214	56,160	2,054
District of Columbia	2,502,242	2,488,923	13,319
Florida	2,848,721	2,775,255	73,466
Georgia	3,038,822	3,035,313	3,509
Hawaii	132,262	113,005	19,257
Idaho	331,052	303,689	27,363
Illinois	1,165,339	963,774	201,565
Indiana	536,214	513,647	22,567
Iowa	223,670	215,777	7,893
Kansas	97,991	87,858	10,133
Kentucky	86,668	86,668	0
Louisiana	182,093	152,635	29,458
Maine	66,228	65,239	989
Maryland	7,503,205	7,238,624	264,581
Massachusetts	3,573,994	3,551,660	22,334
Michigan	899,695	877,983	21,712
Minnesota	448,525	445,536	2,989
Mississippi	302,029	259,827	42,202
Missouri	727,840	726,344	1,496
Montana	70,605	69,050	1,555
Nebraska	79,459	78,477	982
Nevada	456,344	406,159	50,185
New Hampshire	238,364	237,604	760
New Jersey	1,476,015	1,422,848	53,167
New Mexico	2,490,973	2,309,611	181,362
New York	2,715,699	2,538,016	177,683
North Carolina	755,694	719,115	36,579
North Dakota	55,827	50,329	5,498
Ohio	1,985,773	1,921,720	64,053
Oklahoma	118,921	117,908	1,013
Oregon	243,138	229,375	13,763
Pennsylvania	2,662,230	2,566,507	95,723
Rhode Island	496,225	495,591	634
South Carolina	178,082	173,173	4,909
South Dakota	27,877	26,896	981
Tennessee	703,910	674,420	29,490
Texas	2,975,360	2,546,244	429,116
Utah	302,357	298,829	3,528
Vermont	62,193	62,143	50
Virginia	3,533,592	3,402,556	131,036
Washington	949,696	878,074	71,622
West Virginia	214,603	206,208	8,395
Wisconsin	358,793	350,775	8,018
Wyoming	48,847	48,234	613
Outlying areas	345,885	332,745	13,140
Offices abroad	18,389	17,808	581

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1993.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-80. Federal obligations for research and development, by State and performer: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	65,744,145	15,809,832	30,270,628	1,411,171	10,999,000	3,647,550	2,576,487	737,369	292,108
California	14,883,737	1,785,138	9,194,852	26,225	1,592,861	1,746,484	338,161	177,851	22,165
Maryland	7,238,624	4,009,756	2,201,606	107,112	689,819	15,064	204,180	5,437	5,650
Massachusetts	3,551,660	383,885	1,506,230	0	681,394	265,479	525,805	175,494	13,373
Virginia	3,402,556	1,226,598	1,748,093	272	201,668	28,250	53,272	133,546	10,857
Georgia	3,035,313	159,002	2,633,914	0	226,849	0	11,398	0	4,150
Florida	2,775,255	607,692	1,902,844	0	250,540	0	4,041	0	10,138
Pennsylvania	2,566,507	353,951	1,319,823	0	706,699	21,636	158,950	0	5,448
Texas	2,546,244	467,790	1,253,665	0	587,349	6,090	224,091	0	7,259
New York	2,538,016	131,440	957,065	0	998,061	193,249	184,734	0	73,467
District of Columbia	2,488,923	1,712,951	500,203	0	115,698	0	144,543	600	14,928
New Mexico	2,309,611	503,783	176,624	859,271	104,633	646,295	6,762	8,313	3,930
Alabama	2,149,352	833,137	1,134,370	0	157,510	0	20,187	0	4,148
Ohio	1,921,720	583,033	952,372	0	303,385	0	77,075	0	5,855
New Jersey	1,422,848	509,310	594,558	0	189,222	106,097	11,876	7,995	3,790
Colorado	1,343,392	169,821	740,567	0	219,347	55,897	41,852	111,304	4,604
Illinois	963,774	83,136	80,657	144	373,167	375,841	45,563	0	5,266
Washington	878,074	113,263	265,947	0	299,465	530	75,104	116,829	6,936
Michigan	877,983	95,717	359,694	0	360,856	0	57,861	0	3,855
Missouri	726,344	51,288	455,515	0	198,273	0	18,042	0	3,226
North Carolina	719,115	174,294	95,261	0	395,051	0	37,212	0	17,297
Tennessee	674,420	86,547	51,224	303,711	160,733	24,456	45,574	0	2,175
Arizona	535,274	206,067	147,469	0	143,332	27,545	8,590	0	2,271
Connecticut	522,181	52,905	220,295	0	225,525	0	18,214	0	5,242
Indiana	513,647	77,330	261,430	0	168,976	0	3,111	0	2,800
Rhode Island	495,591	184,784	233,984	0	54,424	0	20,258	0	2,141
Minnesota	445,536	40,129	140,918	0	167,277	0	91,959	0	5,253
Nevada	406,159	71,044	313,149	0	19,629	0	1,335	0	1,002
Wisconsin	350,775	38,190	44,412	0	238,342	0	26,369	0	3,462
Idaho	303,689	37,396	125,209	55,624	13,373	70,844	393	0	850
Utah	298,829	140,556	36,434	0	116,039	0	4,924	0	876
Mississippi	259,827	162,622	46,164	0	45,538	0	3,828	0	1,675
New Hampshire	237,604	88,839	81,273	0	63,448	0	2,306	0	1,738
Oregon	229,375	50,795	26,350	0	122,641	0	26,310	0	3,279
Iowa	215,777	30,424	17,511	0	136,568	26,812	2,881	0	1,581
West Virginia	206,208	93,059	39,171	0	38,994	29,215	3,503	0	2,266
South Carolina	173,173	38,208	18,169	58,812	53,349	0	2,068	0	2,567
Louisiana	152,635	42,557	15,534	0	90,269	0	1,977	0	2,298
Oklahoma	117,908	34,311	25,377	0	41,609	0	15,119	0	1,492
Hawaii	113,005	41,703	11,873	0	49,100	0	9,486	0	843
Alaska	92,692	47,833	509	0	41,143	0	582	0	2,625
Kansas	87,858	12,198	18,191	0	50,399	0	5,269	0	1,801
Kentucky	86,668	15,728	8,534	0	58,977	0	1,547	0	1,882
Arkansas	79,185	40,657	4,905	0	30,915	0	1,475	0	1,233
Nebraska	78,477	24,730	8,721	0	37,649	0	6,064	0	1,313
Montana	69,050	27,075	22,298	0	17,163	0	1,283	0	1,231
Maine	65,239	13,003	17,213	0	16,362	0	17,055	0	1,606
Vermont	62,143	5,601	17,118	0	35,313	0	3,369	0	742
Delaware	56,160	12,053	17,864	0	22,281	0	2,992	0	970
North Dakota	50,329	27,220	595	0	20,318	0	1,139	0	1,057
Wyoming	48,234	10,068	7,583	0	23,734	0	5,283	0	1,566
South Dakota	26,896	13,236	3,363	0	8,403	0	1,202	0	692
Outlying areas	332,745	71,772	212,578	0	35,079	7,766	313	0	5,237
Offices abroad	17,808	16,207	1,350	0	251	0	0	0	0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1993.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-80a. Percentage distribution of Federal obligations for research and development to each performer, by State: fiscal year 1993

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intramural [1]	Extramural: Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
California	22.6	11.3	30.4	1.9	14.5	47.9	13.1	24.1	7.6
Maryland	11.0	25.4	7.3	7.6	6.3	.4	7.9	.7	1.9
Massachusetts	5.4	2.4	5.0	.0	6.2	7.3	20.4	23.8	4.6
Virginia	5.2	7.8	5.8	*	1.8	.8	2.1	18.1	3.7
Georgia	4.6	1.0	8.7	.0	2.1	.0	.4	.0	1.4
Florida	4.2	3.8	6.3	.0	2.3	.0	.2	.0	3.5
Pennsylvania	3.9	2.2	4.4	.0	6.4	.6	6.2	.0	1.9
Texas	3.9	3.0	4.1	.0	5.3	.2	8.7	.0	2.5
New York	3.9	.8	3.2	.0	9.1	5.3	7.2	.0	25.2
District of Columbia	3.8	10.8	1.7	.0	1.1	.0	5.6	.1	5.1
New Mexico	3.5	3.2	.6	60.9	1.0	17.7	.3	1.1	1.3
Alabama	3.3	5.3	3.7	.0	1.4	.0	.8	.0	1.4
Ohio	2.9	3.7	3.1	.0	2.8	.0	3.0	.0	2.0
New Jersey	2.2	3.2	2.0	.0	1.7	2.9	.5	1.1	1.3
Colorado	2.0	1.1	2.4	.0	2.0	1.5	1.6	15.1	1.6
Illinois	1.5	.5	.3	*	3.4	10.3	1.8	.0	1.8
Washington	1.3	.7	.9	.0	2.7	*	2.9	15.8	2.4
Michigan	1.3	.6	1.2	.0	3.3	.0	2.2	.0	1.3
Missouri	1.1	.3	1.5	.0	1.8	.0	.7	.0	1.1
North Carolina	1.1	1.1	.3	.0	3.6	.0	1.4	.0	5.9
Tennessee	1.0	.5	.2	21.5	1.5	.7	1.8	.0	.7
Arizona	.8	1.3	.5	.0	1.3	.8	.3	.0	.8
Connecticut	.8	.3	.7	.0	2.1	.0	.7	.0	1.8
Indiana	.8	.5	.9	.0	1.5	.0	.1	.0	1.0
Rhode Island	.8	1.2	.8	.0	.5	.0	.8	.0	.7
Minnesota	.7	.3	.5	.0	1.5	.0	3.6	.0	1.8
Nevada	.6	.4	1.0	.0	.2	.0	.1	.0	.3
Wisconsin	.5	.2	.1	.0	2.2	.0	1.0	.0	1.2
Idaho	.5	.2	.4	3.9	.1	1.9	*	.0	.3
Utah	.5	.9	.1	.0	1.1	.0	.2	.0	.3
Mississippi	.4	1.0	.2	.0	.4	.0	.1	.0	.6
New Hampshire	.4	.6	.3	.0	.6	.0	.1	.0	.6
Oregon	.3	.3	.1	.0	1.1	.0	1.0	.0	1.1
Iowa	.3	.2	.1	.0	1.2	.7	.1	.0	.5
West Virginia	.3	.6	.1	.0	.4	.8	.1	.0	.8
South Carolina	.3	.2	.1	4.2	.5	.0	.1	.0	.9
Louisiana	.2	.3	.1	.0	.8	.0	.1	.0	.8
Oklahoma	.2	.2	.1	.0	.4	.0	.6	.0	.5
Hawaii	.2	.3	*	.0	.4	.0	.4	.0	.3
Alaska	.1	.3	*	.0	.4	.0	*	.0	.9
Kansas	.1	.1	.1	.0	.5	.0	.2	.0	.6
Kentucky	.1	.1	*	.0	.5	.0	.1	.0	.6
Arkansas	.1	.3	*	.0	.3	.0	.1	.0	.4
Nebraska	.1	.2	*	.0	.3	.0	.2	.0	.4
Montana	.1	.2	.1	.0	.2	.0	*	.0	.4
Maine	.1	.1	.1	.0	.1	.0	.7	.0	.5
Vermont	.1	*	.1	.0	.3	.0	.1	.0	.3
Delaware	.1	.1	.1	.0	.2	.0	.1	.0	.3
North Dakota	.1	.2	*	.0	.2	.0	*	.0	.4
Wyoming	.1	.1	*	.0	.2	.0	.2	.0	.5
South Dakota	*	.1	*	.0	.1	.0	*	.0	.2
Outlying areas	.5	.5	.7	.0	.3	.2	*	.0	1.8
Offices abroad	*	.1	*	.0	*	.0	.0	.0	.0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1993

KEY: FFRDCs = Federally funded research and development centers
* = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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Table C-80b. Percentage distribution of Federal obligations for research and development to each State, by performer: fiscal year 1993

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	100.0	24.0	46.0	2.1	16.7	5.5	3.9	1.1	0.4
California	100.0	12.0	61.8	.2	10.7	11.7	2.3	1.2	.1
Maryland	100.0	55.4	30.4	1.5	9.5	.2	2.8	.1	.1
Massachusetts	100.0	10.8	42.4	.0	19.2	7.5	14.8	4.9	.4
Virginia	100.0	36.0	51.4	*	5.9	.8	1.6	3.9	.3
Georgia	100.0	5.2	86.8	.0	7.5	.0	.4	.0	.1
Florida	100.0	21.9	68.6	.0	9.0	.0	.1	.0	.4
Pennsylvania	100.0	13.8	51.4	.0	27.5	.8	6.2	.0	.2
Texas	100.0	18.4	49.2	.0	23.1	.2	8.8	.0	.3
New York	100.0	5.2	37.7	.0	39.3	7.6	7.3	.0	2.9
District of Columbia	100.0	68.8	20.1	.0	4.6	.0	5.8	*	.6
New Mexico	100.0	21.8	7.6	37.2	4.5	28.0	.3	.4	.2
Alabama	100.0	38.8	52.8	.0	7.3	.0	.9	.0	.2
Ohio	100.0	30.3	49.6	.0	15.8	.0	4.0	.0	.3
New Jersey	100.0	35.8	41.8	.0	13.3	7.5	.8	.6	.3
Colorado	100.0	12.6	55.1	.0	16.3	4.2	3.1	8.3	.3
Illinois	100.0	8.6	8.4	*	38.7	39.0	4.7	.0	.5
Washington	100.0	12.9	30.3	.0	34.1	.1	8.6	13.3	.8
Michigan	100.0	10.9	41.0	.0	41.1	.0	6.6	.0	.4
Missouri	100.0	7.1	62.7	.0	27.3	.0	2.5	.0	.4
North Carolina	100.0	24.2	13.2	.0	54.9	.0	5.2	.0	2.4
Tennessee	100.0	12.8	7.6	45.0	23.8	3.6	6.8	.0	.3
Arizona	100.0	38.5	27.6	.0	26.8	5.1	1.6	.0	.4
Connecticut	100.0	10.1	42.2	.0	43.2	.0	3.5	.0	1.0
Indiana	100.0	15.1	50.9	.0	32.9	.0	.6	.0	.5
Rhode Island	100.0	37.3	47.2	.0	11.0	.0	4.1	.0	.4
Minnesota	100.0	9.0	31.6	.0	37.5	.0	20.6	.0	1.2
Nevada	100.0	17.5	77.1	.0	4.8	.0	.3	.0	.2
Wisconsin	100.0	10.9	12.7	.0	67.9	.0	7.5	.0	1.0
Idaho	100.0	12.3	41.2	18.3	4.4	23.3	.1	.0	.3
Utah	100.0	47.0	12.2	.0	38.8	.0	1.6	.0	.3
Mississippi	100.0	62.6	17.8	.0	17.5	.0	1.5	.0	.6
New Hampshire	100.0	37.4	34.2	.0	26.7	.0	1.0	.0	.7
Oregon	100.0	22.1	11.5	.0	53.5	.0	11.5	.0	1.4
Iowa	100.0	14.1	8.1	.0	63.3	12.4	1.3	.0	.7
West Virginia	100.0	45.1	19.0	.0	18.9	14.2	1.7	.0	1.1
South Carolina	100.0	22.1	10.5	34.0	30.8	.0	1.2	.0	1.5
Louisiana	100.0	27.9	10.2	.0	59.1	.0	1.3	.0	1.5
Oklahoma	100.0	29.1	21.5	.0	35.3	.0	12.8	.0	1.3
Hawaii	100.0	36.9	10.5	.0	43.4	.0	8.4	.0	.7
Alaska	100.0	51.6	.5	.0	44.4	.0	.6	.0	2.8
Kansas	100.0	13.9	20.7	.0	57.4	.0	6.0	.0	2.0
Kentucky	100.0	18.1	9.8	.0	68.0	.0	1.8	.0	2.2
Arkansas	100.0	51.3	6.2	.0	39.0	.0	1.9	.0	1.6
Nebraska	100.0	31.5	11.1	.0	48.0	.0	7.7	.0	1.7
Montana	100.0	39.2	32.3	.0	24.9	.0	1.9	.0	1.8
Maine	100.0	19.9	26.4	.0	25.1	.0	26.1	.0	2.5
Vermont	100.0	9.0	27.5	.0	56.8	.0	5.4	.0	1.2
Delaware	100.0	21.5	31.8	.0	39.7	.0	5.3	.0	1.7
North Dakota	100.0	54.1	1.2	.0	40.4	.0	2.3	.0	2.1
Wyoming	100.0	20.9	15.7	.0	49.2	.0	11.0	.0	3.2
South Dakota	100.0	49.2	12.5	.0	31.2	.0	4.5	.0	2.6
Outlying areas	100.0	21.6	63.9	.0	10.5	2.3	.1	.0	1.6
Offices abroad	100.0	91.0	7.6	.0	1.4	.0	.0	.0	.0

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[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1993.

KEY: FFRDCs = Federally funded research and development centers
* = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-81. Federal obligations for research and development, by State and agency: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense[1]	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	65,744,145	1,323,247	656,268	35,676,894	6,258,196	10,297,491	618,056	543,742	495,253	7,995,102	1,879,576
California	14,883,737	75,054	51,500	9,525,466	1,150,362	1,147,249	40,275	29,876	13,937	2,564,287	285,731
Maryland	7,238,624	110,665	196,514	3,552,963	85,421	2,303,712	20,081	33,975	8,109	884,265	42,769
Massachusetts	3,551,660	20,834	37,827	2,168,523	82,543	853,135	7,391	80,144	24,701	132,368	144,194
Virginia	3,402,556	11,349	21,826	2,357,051	54,012	170,281	41,883	35,138	57,487	606,192	47,337
Georgia	3,035,313	51,016	5,259	2,691,817	12,140	201,236	6,943	5,885	15,237	22,421	23,359
Florida	2,775,255	32,157	36,972	2,043,790	15,588	122,423	12,208	8,929	14,170	443,234	45,784
Pennsylvania	2,566,507	40,381	2,484	1,483,256	345,274	508,008	39,782	11,523	3,090	30,011	102,698
Texas	2,546,244	61,289	6,646	1,058,743	146,314	401,192	8,229	11,066	13,471	778,541	60,723
New York	2,538,016	30,889	4,838	775,151	559,942	895,648	7,036	25,968	5,062	49,294	184,188
District of Columbia	2,488,923	146,558	15,998	1,247,621	284,451	203,674	19,670	64,656	14,132	423,749	68,274
New Mexico	2,309,611	5,825	40	942,940	1,262,663	32,621	7,045	7,943	420	40,193	9,921
Alabama	2,149,352	15,168	1,316	1,013,005	25,514	110,386	10,914	1,203	6,026	956,160	9,660
Ohio	1,921,720	17,590	940	1,077,047	32,745	234,886	5,586	12,758	33,256	473,860	33,052
New Jersey	1,422,848	5,420	15,416	916,046	134,643	96,915	4,937	72,865	1,614	134,877	40,115
Colorado	1,343,392	30,692	69,144	721,750	139,917	144,325	51,011	9,281	3,539	84,400	89,333
Illinois	963,774	40,484	2,475	139,030	425,177	241,308	5,036	6,634	1,133	16,016	86,481
Washington	878,074	32,322	44,811	285,678	138,858	269,666	21,378	9,307	978	28,085	46,991
Michigan	877,983	21,209	14,341	470,276	15,989	243,611	9,627	6,020	4,408	31,055	61,447
Missouri	726,344	18,578	96	485,440	4,881	176,167	12,068	3,555	2,666	8,296	14,597
North Carolina	719,115	32,471	9,508	112,887	12,983	402,825	5,156	4,940	92,765	9,293	36,287
Tennessee	674,420	8,909	3,015	120,217	343,567	134,057	5,361	6,839	1,176	39,779	11,500
Arizona	535,274	16,532	454	325,456	5,030	77,914	11,931	1,504	2,737	35,320	58,396
Connecticut	522,181	6,101	3,688	201,389	39,345	196,919	3,352	22,918	6,018	24,048	18,403
Indiana	513,647	15,647	272	334,800	21,156	87,543	4,725	1,864	180	7,790	39,670
Rhode Island	495,591	2,061	6,814	412,572	2,527	37,194	3,359	1,357	7,403	3,472	18,832
Minnesota	445,536	24,452	8,270	158,125	7,086	182,034	20,026	9,077	4,846	4,123	27,497
Nevada	406,159	2,362	443	53,646	298,208	7,730	18,631	1,985	16,330	1,089	5,735
Wisconsin	350,775	34,818	2,160	57,582	20,725	149,161	12,516	3,028	1,939	33,447	35,399
Idaho	303,689	17,937	21	15,606	249,932	1,667	12,722	1,536	489	58	3,721
Utah	298,829	12,483	559	170,100	10,779	61,594	14,758	1,077	2,165	7,828	17,486
Mississippi	259,827	48,428	4,302	120,156	24,173	12,871	8,485	968	460	35,779	4,205
New Hampshire	237,604	4,700	2,867	164,743	1,664	35,994	3,443	998	250	12,663	10,282
Oregon	229,375	33,210	9,266	28,826	9,916	83,668	22,006	1,835	10,512	6,149	23,987
Iowa	215,777	39,891	1,100	29,890	29,397	83,361	4,766	6,827	1,378	6,797	12,370
West Virginia	206,208	20,612	0	4,245	104,424	19,851	10,172	1,096	214	13,636	31,958
South Carolina	173,173	15,372	13,263	35,586	66,588	27,292	4,509	1,025	428	1,290	7,820
Louisiana	152,635	31,889	2,691	20,704	11,860	57,417	14,855	1,259	1,799	2,253	7,908
Oklahoma	117,908	16,170	4,043	25,055	18,615	22,544	4,879	10,523	7,372	838	7,869
Hawaii	113,005	19,543	12,744	23,538	2,616	18,330	13,869	568	15	8,388	13,394
Alaska	92,692	6,778	12,325	12,412	552	3,076	23,734	954	642	12,942	19,277
Kansas	87,858	10,861	0	20,171	5,275	30,760	5,027	1,912	1	6,585	7,266
Kentucky	86,668	10,975	56	15,960	5,408	38,389	4,079	1,063	3,220	732	6,786
Arkansas	79,185	13,566	0	7,881	284	46,723	5,939	904	265	296	3,327
Nebraska	78,477	24,882	52	11,558	1,566	26,221	5,536	681	520	1,332	6,129
Montana	69,050	13,392	0	1,694	22,298	15,808	7,747	809	610	1,133	5,559
Maine	65,239	5,502	7,599	13,704	4,589	17,420	3,583	396	2,600	792	9,054
Vermont	62,143	5,927	0	16,897	539	31,077	3,585	350	309	215	3,244
Delaware	56,160	4,087	5,643	21,094	1,509	4,617	2,826	6,535	521	2,152	7,176
North Dakota	50,329	27,062	295	2,170	5,449	3,041	8,111	492	1,600	154	1,955
Wyoming	48,234	6,936	0	2,690	13,536	1,648	6,395	10,791	460	376	5,402
South Dakota	26,896	5,237	24	1,453	21	2,894	7,841	529	259	5,244	3,394
Outlying areas	332,745	12,780	16,269	165,062	45	19,408	3,032	376	102,334	1,805	11,634
Offices abroad	17,808	4,194	82	13,432	100	0	0	0	0	0	0

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[1] Beginning with Volume XL, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1993.

KEY:
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-81a. Percentage distribution of Federal obligations for research and development of each agency, by State: fiscal year 1993

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense[1]	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*	*100.0*
California	22.6	5.7	7.8	26.7	18.4	11.1	6.5	5.5	2.8	32.1	15.2
Maryland	11.0	8.4	29.9	10.0	1.4	22.4	3.2	6.2	1.6	11.1	2.3
Massachusetts	5.4	1.6	5.8	6.1	1.3	8.3	1.2	14.7	5.0	1.7	7.7
Virginia	5.2	.9	3.3	6.6	.9	1.7	6.8	6.5	11.6	7.6	2.5
Georgia	4.6	3.9	.8	7.5	.2	2.0	1.1	1.1	3.1	.3	1.2
Florida	4.2	2.4	5.6	5.7	.2	1.2	2.0	1.6	2.9	5.5	2.4
Pennsylvania	3.9	3.1	.4	4.2	5.5	4.9	6.4	2.1	.6	.4	5.5
Texas	3.9	4.6	1.0	3.0	2.3	3.9	1.3	2.0	2.7	9.7	3.2
New York	3.9	2.3	.7	2.2	8.9	8.7	1.1	4.8	1.0	.6	9.8
District of Columbia	3.8	11.1	2.4	3.5	4.5	2.0	3.2	11.9	2.9	5.3	3.6
New Mexico	3.5	.4	*	2.6	20.2	.3	1.1	1.5	.1	.5	.5
Alabama	3.3	1.1	.2	2.8	.4	1.1	1.8	.2	1.2	12.0	.5
Ohio	2.9	1.3	.1	3.0	.5	2.3	.9	2.3	6.7	5.9	1.8
New Jersey	2.2	.4	2.3	2.6	2.2	.9	.8	13.4	.3	1.7	2.1
Colorado	2.0	2.3	10.5	2.0	2.2	1.4	8.3	1.7	.7	1.1	4.8
Illinois	1.5	3.1	.4	.4	6.8	2.3	.8	1.2	.2	.2	4.6
Washington	1.3	2.4	6.8	.8	2.2	2.6	3.5	1.7	.2	.4	2.5
Michigan	1.3	1.6	2.2	1.3	.3	2.4	1.6	1.1	.9	.4	3.3
Missouri	1.1	1.4	*	1.4	.1	1.7	2.0	.7	.5	.1	.8
North Carolina	1.1	2.5	1.4	.3	.2	3.9	.8	.9	18.7	.1	1.9
Tennessee	1.0	.7	.5	.3	5.5	1.3	.9	1.3	.2	.5	.6
Arizona	.8	1.2	.1	.9	.1	.8	1.9	.3	.6	.4	3.1
Connecticut	.8	.5	.6	.6	.6	1.9	.5	4.2	1.2	.3	1.0
Indiana	.8	1.2	*	.9	.3	.9	.8	.3	*	.1	2.1
Rhode Island	.8	.2	1.0	1.2	*	.4	.5	.2	1.5	*	1.0
Minnesota	.7	1.8	1.3	.4	.1	1.8	3.2	1.7	1.0	.1	1.5
Nevada	.6	.2	.1	.2	4.8	.1	3.0	.4	3.3	*	.3
Wisconsin	.5	2.6	.3	.2	.3	1.4	2.0	.6	.4	.4	1.9
Idaho	.5	1.4	*	*	4.0	*	2.1	.3	.1	*	.2
Utah	.5	.9	.1	.5	.2	.6	2.4	.2	.4	.1	.9
Mississippi	.4	3.7	.7	.3	.4	.1	1.4	.2	.1	.4	.2
New Hampshire	.4	.4	.4	.5	*	.3	.6	.2	.1	.2	.5
Oregon	.3	2.5	1.4	.1	.2	.8	3.6	.3	2.1	.1	1.3
Iowa	.3	3.0	.2	.1	.5	.8	.8	1.3	.3	.1	.7
West Virginia	.3	1.6	.0	*	1.7	.2	1.6	.2	*	.2	1.7
South Carolina	.3	1.2	2.0	.1	1.1	.3	.7	.2	.1	*	.4
Louisiana	.2	2.4	.4	.1	.2	.6	2.4	.2	.4	*	.4
Oklahoma	.2	1.2	.6	.1	.3	.2	.8	1.9	1.5	*	.4
Hawaii	.2	1.5	1.9	.1	*	.2	2.2	.1	*	.1	.7
Alaska	.1	.5	1.9	*	*	*	3.8	.2	.1	.2	1.0
Kansas	.1	.8	.0	.1	.1	.3	.8	.4	*	.1	.4
Kentucky	.1	.8	*	*	.1	.4	.7	.2	.7	*	.4
Arkansas	.1	1.0	.0	*	*	.5	1.0	.2	.1	*	.2
Nebraska	.1	1.9	*	*	*	.3	.9	.1	.1	*	.3
Montana	.1	1.0	.0	*	.4	.2	1.3	.1	.1	*	.3
Maine	.1	.4	1.2	*	.1	.2	.6	.1	.5	*	.5
Vermont	.1	.4	.0	*	*	.3	.6	.1	.1	*	.2
Delaware	.1	.3	.9	.1	*	*	.5	1.2	.1	*	.4
North Dakota	.1	2.0	*	*	.1	*	1.3	.1	.3	*	.1
Wyoming	.1	.5	.0	*	.2	*	1.0	2.0	.1	*	.3
South Dakota	*	.4	*	*	*	*	1.3	.1	.1	.1	.2
Outlying areas	.5	1.0	2.5	.5	*	.2	.5	.1	20.7	*	.6
Offices abroad	*	.3	*	*	*	.0	.0	.0	.0	.0	.0

[1] Beginning with Volume XL, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching.

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D obligations in fiscal year 1993.

KEY:
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration
* = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-81b. Percentage distribution of Federal obligations for research and development of each State, by agency: fiscal year 1993

Page 1 of 1

State (in order of total Federal research & development obligations)	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense[1]	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	100.0	2.0	1.0	54.3	9.5	15.7	0.9	0.8	0.8	12.2	2.9
California	100.0	.5	.3	64.0	7.7	7.7	.3	.2	.1	17.2	1.9
Maryland	100.0	1.5	2.7	49.1	1.2	31.8	.3	.5	.1	12.2	.6
Massachusetts	100.0	.6	1.1	61.1	2.3	24.0	.2	2.3	.7	3.7	4.1
Virginia	100.0	.3	.6	69.3	1.6	5.0	1.2	1.0	1.7	17.8	1.4
Georgia	100.0	1.7	.2	88.7	.4	6.6	.2	.2	.5	.7	.8
Florida	100.0	1.2	1.3	73.6	.6	4.4	.4	.3	.5	16.0	1.6
Pennsylvania	100.0	1.6	.1	57.8	13.5	19.8	1.6	.4	.1	1.2	4.0
Texas	100.0	2.4	.3	41.6	5.7	15.8	.3	.4	.5	30.6	2.4
New York	100.0	1.2	.2	30.5	22.1	35.3	.3	1.0	.2	1.9	7.3
District of Columbia	100.0	5.9	.6	50.1	11.4	8.2	.8	2.6	.6	17.0	2.7
New Mexico	100.0	.3	*	40.8	54.7	1.4	.3	.3	*	1.7	.4
Alabama	100.0	.7	.1	47.1	1.2	5.1	.5	.1	.3	44.5	.4
Ohio	100.0	.9	*	56.0	1.7	12.2	.3	.7	1.7	24.7	1.7
New Jersey	100.0	.4	1.1	64.4	9.5	6.8	.3	5.1	.1	9.5	2.8
Colorado	100.0	2.3	5.1	53.7	10.4	10.7	3.8	.7	.3	6.3	6.6
Illinois	100.0	4.2	.3	14.4	44.1	25.0	.5	.7	.1	1.7	9.0
Washington	100.0	3.7	5.1	32.5	15.8	30.7	2.4	1.1	.1	3.2	5.4
Michigan	100.0	2.4	1.6	53.6	1.8	27.7	1.1	.7	.5	3.5	7.0
Missouri	100.0	2.6	*	66.8	.7	24.3	1.7	.5	.4	1.1	2.0
North Carolina	100.0	4.5	1.3	15.7	1.8	56.0	.7	.7	12.9	1.3	5.0
Tennessee	100.0	1.3	.4	17.8	50.9	19.9	.8	1.0	.2	5.9	1.7
Arizona	100.0	3.1	.1	60.8	.9	14.6	2.2	.3	.5	6.6	10.9
Connecticut	100.0	1.2	.7	38.6	7.5	37.7	.6	4.4	1.2	4.6	3.5
Indiana	100.0	3.0	.1	65.2	4.1	17.0	.9	.4	*	1.5	7.7
Rhode Island	100.0	.4	1.4	83.2	.5	7.5	.7	.3	1.5	.7	3.8
Minnesota	100.0	5.5	1.9	35.5	1.6	40.9	4.5	2.0	1.1	.9	6.2
Nevada	100.0	.6	.1	13.2	73.4	1.9	4.6	.5	4.0	.3	1.4
Wisconsin	100.0	9.9	.6	16.4	5.9	42.5	3.6	.9	.6	9.5	10.1
Idaho	100.0	5.9	*	5.1	82.3	.5	4.2	.5	.2	*	1.2
Utah	100.0	4.2	.2	56.9	3.6	20.6	4.9	.4	.7	2.6	5.9
Mississippi	100.0	18.6	1.7	46.2	9.3	5.0	3.3	.4	.2	13.8	1.6
New Hampshire	100.0	2.0	1.2	69.3	.7	15.1	1.4	.4	.1	5.3	4.3
Oregon	100.0	14.5	4.0	12.6	4.3	36.5	9.6	.8	4.6	2.7	10.5
Iowa	100.0	18.5	.5	13.9	13.6	38.6	2.2	3.2	.6	3.2	5.7
West Virginia	100.0	10.0	0	2.1	50.6	9.6	4.9	.5	.1	6.6	15.5
South Carolina	100.0	8.9	7.7	20.5	38.5	15.8	2.6	.6	.2	.7	4.5
Louisiana	100.0	20.9	1.8	13.6	7.8	37.6	9.7	.8	1.2	1.5	5.2
Oklahoma	100.0	13.7	3.4	21.2	15.8	19.1	4.1	8.9	6.3	.7	6.7
Hawaii	100.0	17.3	11.3	20.8	2.3	16.2	12.3	.5	*	7.4	11.9
Alaska	100.0	7.3	13.3	13.4	.6	3.3	25.6	1.0	.7	14.0	20.8
Kansas	100.0	12.4	0	23.0	6.0	35.0	5.7	2.2	*	7.5	8.3
Kentucky	100.0	12.7	.1	18.4	6.2	44.3	4.7	1.2	3.7	.8	7.8
Arkansas	100.0	17.1	0	10.0	.4	59.0	7.5	1.1	.3	.4	4.2
Nebraska	100.0	31.7	.1	14.7	2.0	33.4	7.1	.9	.7	1.7	7.8
Montana	100.0	19.4	0	2.5	32.3	22.9	11.2	1.2	.9	1.6	8.1
Maine	100.0	8.4	11.6	21.0	7.0	26.7	5.5	.6	4.0	1.2	13.9
Vermont	100.0	9.5	0	27.2	.9	50.0	5.8	.6	.5	.3	5.2
Delaware	100.0	7.3	10.0	37.6	2.7	8.2	5.0	11.6	.9	3.8	12.8
North Dakota	100.0	53.8	.6	4.3	10.8	6.0	16.1	1.0	3.2	.3	3.9
Wyoming	100.0	14.4	0	5.6	28.1	3.4	13.3	22.4	1.0	.8	11.2
South Dakota	100.0	19.5	.1	5.4	.1	10.8	29.2	2.0	1.0	19.5	12.6
Outlying areas	100.0	3.8	4.9	49.6	*	5.8	.9	.1	30.8	.5	3.5
Offices abroad	100.0	23.6	.5	75.4	.6	0	0	0	0	0	0

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KEY:
EPA = Environmental Protection Agency
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* = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

Page 1 of 11

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Alabama, total	2,149,352	833,137	1,134,370	0	157,510	0	20,187	0	4,148
Department of Agriculture	15,168	4,094	0	0	10,979	0	15	0	80
Department of Commerce	1,316	923	0	0	393	0	0	0	0
Department of Defense, research[2]	78,305	43,061	24,672	0	10,034	0	538	0	0
Dept of Defense, development[2]	934,700	456,855	474,904	0	1,652	0	0	0	1,289
Department of Energy	25,514	0	20,452	0	2,675	0	2,387	0	0
Department of Health & Human Svcs	110,386	0	613	0	95,466	0	13,916	0	391
Department of the Interior	10,914	9,459	315	0	1,105	0	0	0	35
Department of Transportation	1,203	1	0	0	0	0	0	0	1,202
Environmental Protection Agency	6,026	0	2,689	0	2,166	0	0	0	1,151
National Aeronautics and Space Admin	956,160	318,744	610,685	0	23,400	0	3,331	0	0
National Science Foundation	9,660	0	40	0	9,620	0	0	0	0
Alaska, total	92,692	47,833	509	0	41,143	0	582	0	2,625
Department of Agriculture	6,778	5,209	0	0	1,569	0	0	0	0
Department of Commerce	12,325	9,321	1	0	1,673	0	0	0	1,330
Department of Defense, research[2]	1,933	1,025	0	0	908	0	0	0	0
Dept of Defense, development[2]	10,479	9,267	253	0	959	0	0	0	0
Department of Energy	552	0	0	0	552	0	0	0	0
Department of Health & Human Svcs	3,076	621	0	0	1,599	0	582	0	274
Department of the Interior	23,734	22,350	147	0	1,170	0	0	0	67
Department of Transportation	954	0	0	0	0	0	0	0	954
Environmental Protection Agency	642	0	0	0	642	0	0	0	0
National Aeronautics and Space Admin	12,942	40	0	0	12,902	0	0	0	0
National Science Foundation	19,277	0	108	0	19,169	0	0	0	0
Arizona, total	535,274	206,067	147,469	0	143,332	27,545	8,590	0	2,271
Department of Agriculture	16,532	11,858	0	0	4,674	0	0	0	0
Department of Commerce	454	0	10	0	130	0	0	0	314
Department of Defense, research[2]	26,790	1,689	13,202	0	11,879	0	20	0	0
Dept of Defense, development[2]	298,666	170,787	122,305	0	5,574	0	0	0	0
Department of Energy	5,030	0	350	0	4,680	0	0	0	0
Department of Health & Human Svcs	77,914	9,081	3,474	0	57,091	0	7,370	0	898
Department of the Interior	11,931	8,071	1,196	0	2,537	0	35	0	92
Department of Transportation	1,504	300	96	0	141	0	0	0	967
Environmental Protection Agency	2,737	0	0	0	2,737	0	0	0	0
National Aeronautics and Space Admin	35,320	4,281	6,523	0	23,562	0	954	0	0
National Science Foundation	58,396	0	313	0	30,327	27,545	211	0	0
Arkansas, total	79,185	40,657	4,905	0	30,915	0	1,475	0	1,233
Department of Agriculture	13,566	3,936	0	0	9,625	0	0	0	5
Department of Defense, research[2]	1,128	3	0	0	1,125	0	0	0	0
Dept of Defense, development[2]	6,753	1,067	4,072	0	1,614	0	0	0	0
Department of Energy	284	0	0	0	284	0	0	0	0
Department of Health & Human Svcs	46,723	30,290	776	0	13,720	0	1,475	0	462
Department of the Interior	5,939	5,361	0	0	578	0	0	0	0
Department of Transportation	904	0	0	0	138	0	0	0	766
Environmental Protection Agency	265	0	23	0	242	0	0	0	0
National Aeronautics and Space Admin	296	0	34	0	262	0	0	0	0
National Science Foundation	3,327	0	0	0	3,327	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
California, total	14,883,737	1,785,138	9,194,852	26,225	1,592,861	1,746,484	338,161	177,851	22,165
Department of Agriculture	75,054	52,554	273	0	21,806	0	421	0	0
Department of Commerce	51,500	34,932	10,464	0	5,280	0	0	0	824
Department of Defense, research[2]	939,283	176,480	500,257	0	206,330	33,848	19,631	2,737	0
Dept of Defense, development[2]	8,586,183	1,243,178	6,985,727	193	15,895	156,470	17,926	166,794	0
Department of Energy	1,150,362	3,393	130,571	26,032	103,743	861,211	25,211	201	0
Department of Health & Human Svcs	1,147,249	2,461	35,484	0	841,953	12,135	237,473	5,926	11,817
Department of the Interior	40,275	32,064	1,906	0	5,873	0	257	0	175
Department of Transportation	29,876	4,533	11,514	0	5,703	300	0	0	7,826
Environmental Protection Agency	13,937	0	7,887	0	4,854	0	0	0	1,196
National Aeronautics and Space Admin	2,564,287	234,903	1,486,755	0	137,246	682,230	20,931	2,065	157
National Science Foundation	285,731	640	24,014	0	244,178	290	16,311	128	170
Colorado, total	1,343,392	169,821	740,567	0	219,347	55,897	41,852	111,304	4,604
Department of Agriculture	30,692	22,671	272	0	7,734	0	0	0	15
Department of Commerce	69,144	62,747	45	0	6,352	0	0	0	0
Department of Defense, research[2]	50,465	2,672	17,461	0	29,951	166	215	0	0
Dept of Defense, development[2]	671,285	26,986	641,258	0	1,159	992	0	890	0
Department of Energy	139,917	2,001	18,401	0	8,456	0	645	110,414	0
Department of Health & Human Svcs	144,325	30	2,887	0	107,112	0	32,636	0	1,660
Department of the Interior	51,011	45,195	928	0	4,560	0	303	0	25
Department of Transportation	9,281	1,811	696	0	0	0	5,681	0	1,093
Environmental Protection Agency	3,539	0	800	0	2,014	0	0	0	725
National Aeronautics and Space Admin	84,400	5,334	55,137	0	20,325	1,297	2,307	0	0
National Science Foundation	89,333	374	2,682	0	31,684	53,442	65	0	1,086
Connecticut, total	522,181	52,905	220,295	0	225,525	0	18,214	0	5,242
Department of Agriculture	6,101	1,925	0	0	2,810	0	0	0	1,366
Department of Commerce	3,688	2,031	217	0	1,400	0	0	0	40
Department of Defense, research[2]	52,838	14,539	27,412	0	10,887	0	0	0	0
Dept of Defense, development[2]	148,551	16,505	126,630	0	5,416	0	0	0	0
Department of Energy	39,345	0	28,327	0	11,018	0	0	0	0
Department of Health & Human Svcs	196,919	0	2,510	0	174,214	0	18,214	0	1,981
Department of the Interior	3,352	3,130	87	0	100	0	0	0	35
Department of Transportation	22,918	14,775	6,413	0	60	0	0	0	1,670
Environmental Protection Agency	6,018	0	4,149	0	1,719	0	0	0	150
National Aeronautics and Space Admin	24,048	0	22,519	0	1,529	0	0	0	0
National Science Foundation	18,403	0	2,031	0	16,372	0	0	0	0
Delaware, total	56,160	12,053	17,864	0	22,281	0	2,992	0	970
Department of Agriculture	4,087	1,332	0	0	2,755	0	0	0	0
Department of Commerce	5,643	3,464	1,110	0	608	0	0	0	461
Department of Defense, research[2]	17,343	76	10,906	0	5,961	0	400	0	0
Dept of Defense, development[2]	3,751	128	3,005	0	152	0	466	0	0
Department of Energy	1,509	0	0	0	1,174	0	335	0	0
Department of Health & Human Svcs	4,617	0	399	0	3,176	0	877	0	165
Department of the Interior	2,826	2,657	0	0	150	0	0	0	19
Department of Transportation	6,535	4,396	1,814	0	0	0	0	0	325
Environmental Protection Agency	521	0	50	0	471	0	0	0	0
National Aeronautics and Space Admin	2,152	0	125	0	1,134	0	893	0	0
National Science Foundation	7,176	0	455	0	6,700	0	21	0	0
District of Columbia, total	2,488,783	1,712,811	500,203	0	115,698	0	144,543	600	14,928
Department of Agriculture	146,558	139,437	6,046	0	797	0	254	0	24
Department of Commerce	15,998	15,332	31	0	568	0	67	0	0
Department of Defense, research[2]	283,699	234,420	16,815	0	20,155	0	12,309	0	0
Dept of Defense, development[2]	963,922	606,188	340,268	0	8,234	0	8,632	600	0
Department of Energy	284,451	258,983	20,631	0	1,495	0	3,342	0	0
Department of Health & Human Svcs	203,674	82,375	8,324	0	59,050	0	53,259	0	666
Department of the Interior	19,670	16,518	2,466	0	572	0	114	0	0
Department of Transportation	64,656	36,045	9,598	0	3,255	0	6,603	0	9,155
Environmental Protection Agency	14,132	6,117	2,636	0	296	0	0	0	5,083
National Aeronautics and Space Admin	423,749	306,364	89,587	0	7,344	0	20,454	0	0
National Science Foundation	68,274	11,032	3,801	0	13,932	0	39,509	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Florida, total	2,775,255	607,692	1,902,844	0	250,540	0	4,041	0	10,138
Department of Agriculture	32,157	20,058	17	0	11,841	0	233	0	8
Department of Commerce	36,972	30,108	2,388	0	3,763	0	0	0	713
Department of Defense, research[2]	140,959	49,847	56,271	0	34,655	0	186	0	0
Dept of Defense, development[2]	1,902,831	275,334	1,619,586	0	5,358	0	0	0	2,553
Department of Energy	15,588	0	1,770	0	13,283	0	535	0	0
Department of Health & Human Svcs	122,423	0	3,787	0	114,768	0	2,685	0	1,183
Department of the Interior	12,208	11,036	52	0	1,120	0	0	0	0
Department of Transportation	8,929	653	1,163	0	1,447	0	0	0	5,666
Environmental Protection Agency	14,170	3,620	7,870	0	2,680	0	0	0	0
National Aeronautics and Space Admin	443,234	217,036	209,098	0	16,884	0	216	0	0
National Science Foundation	45,784	0	842	0	44,741	0	186	0	15
Georgia, total	3,035,313	159,002	2,633,914	0	226,849	0	11,398	0	4,150
Department of Agriculture	51,016	37,150	38	0	13,681	0	2	0	145
Department of Commerce	5,259	3,256	1,199	0	804	0	0	0	0
Department of Defense, research[2]	28,241	2,311	7,447	0	18,424	0	59	0	0
Dept of Defense, development[2]	2,663,576	12,718	2,614,001	0	34,339	0	2,518	0	0
Department of Energy	12,140	1	184	0	10,125	0	1,830	0	0
Department of Health & Human Svcs	201,236	85,137	714	0	109,400	0	5,191	0	794
Department of the Interior	6,943	6,539	0	0	404	0	0	0	0
Department of Transportation	5,885	847	1,728	0	1,166	0	0	0	2,144
Environmental Protection Agency	15,237	4,347	3,881	0	7,009	0	0	0	0
National Aeronautics and Space Admin	22,421	6,696	4,035	0	10,662	0	1,028	0	0
National Science Foundation	23,359	0	687	0	20,835	0	770	0	1,067
Hawaii, total	113,005	41,703	11,873	0	49,100	0	9,486	0	843
Department of Agriculture	19,543	9,492	0	0	4,361	0	5,690	0	0
Department of Commerce	12,744	9,344	1,981	0	1,344	0	0	0	75
Department of Defense, research[2]	4,451	162	1,014	0	3,265	0	10	0	0
Dept of Defense, development[2]	19,087	11,410	7,667	0	10	0	0	0	0
Department of Energy	2,616	0	100	0	2,386	0	130	0	0
Department of Health & Human Svcs	18,330	0	513	0	14,247	0	3,370	0	200
Department of the Interior	13,869	11,216	0	0	2,653	0	0	0	0
Department of Transportation	568	0	0	0	0	0	0	0	568
Environmental Protection Agency	15	0	0	0	15	0	0	0	0
National Aeronautics and Space Admin	8,388	79	448	0	7,861	0	0	0	0
National Science Foundation	13,394	0	150	0	12,958	0	286	0	0
Idaho, total	303,689	37,396	125,209	55,624	13,373	70,844	393	0	850
Department of Agriculture	17,937	12,308	0	13	5,606	0	0	0	10
Department of Commerce	21	0	4	0	17	0	0	0	0
Department of Defense, research[2]	7,909	814	5,258	1,046	791	0	0	0	0
Dept of Defense, development[2]	7,697	3,344	829	3,524	0	0	0	0	0
Department of Energy	249,932	10,701	118,814	49,124	374	70,844	0	0	75
Department of Health & Human Svcs	1,667	0	281	0	804	0	385	0	197
Department of the Interior	12,722	9,479	22	1,917	1,253	0	8	0	43
Department of Transportation	1,536	750	1	0	260	0	0	0	525
Environmental Protection Agency	489	0	0	0	489	0	0	0	0
National Aeronautics and Space Admin	58	0	0	0	58	0	0	0	0
National Science Foundation	3,721	0	0	0	3,721	0	0	0	0
Illinois, total	963,774	83,136	80,657	144	373,167	375,841	45,563	0	5,266
Department of Agriculture	40,484	29,522	5	0	10,920	0	37	0	0
Department of Commerce	2,475	89	1,820	0	215	0	0	0	351
Department of Defense, research[2]	73,513	17,683	15,393	0	39,242	866	329	0	0
Dept of Defense, development[2]	65,517	21,833	27,061	0	2,476	6,914	7,233	0	0
Department of Energy	425,177	4,414	24,794	144	24,954	367,055	2,836	0	980
Department of Health & Human Svcs	241,308	2,709	5,786	0	200,521	0	31,721	0	571
Department of the Interior	5,036	4,058	60	0	727	0	0	0	191
Department of Transportation	6,634	77	1,598	0	436	560	1,164	0	2,799
Environmental Protection Agency	1,133	0	249	0	510	0	0	0	374
National Aeronautics and Space Admin	16,016	2,476	1,599	0	11,227	386	328	0	0
National Science Foundation	86,481	275	2,292	0	81,939	60	1,915	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Indiana, total	513,647	77,330	261,430	0	168,976	0	3,111	0	2,800
Department of Agriculture	15,647	4,242	0	0	11,307	0	98	0	0
Department of Commerce	272	0	0	0	272	0	0	0	0
Department of Defense, research[2]	25,445	10,051	3,378	0	12,016	0	0	0	0
Dept of Defense, development[2]	309,355	57,457	249,178	0	237	0	2,483	0	0
Department of Energy	21,156	0	2,944	0	18,157	0	55	0	0
Department of Health & Human Svcs	87,543	0	3,577	0	82,366	0	377	0	1,223
Department of the Interior	4,725	4,176	0	0	376	0	0	0	173
Department of Transportation	1,864	0	125	0	335	0	0	0	1,404
Environmental Protection Agency	180	0	0	0	180	0	0	0	0
National Aeronautics and Space Admin	7,790	1,404	2,125	0	4,163	0	98	0	0
National Science Foundation	39,670	0	103	0	39,567	0	0	0	0
Iowa, total	215,777	30,424	17,511	0	136,568	26,812	2,881	0	1,581
Department of Agriculture	39,891	24,808	150	0	14,933	0	0	0	0
Department of Commerce	1,100	0	570	0	530	0	0	0	0
Department of Defense, research[2]	6,884	1,197	398	0	5,200	80	9	0	0
Dept of Defense, development[2]	23,006	48	15,684	0	7,224	50	0	0	0
Department of Energy	29,397	0	0	0	2,715	26,682	0	0	0
Department of Health & Human Svcs	83,361	0	217	0	79,723	0	2,872	0	549
Department of the Interior	4,766	4,371	0	0	356	0	0	0	39
Department of Transportation	6,827	0	0	0	5,834	0	0	0	993
Environmental Protection Agency	1,378	0	99	0	1,279	0	0	0	0
National Aeronautics and Space Admin	6,797	0	343	0	6,454	0	0	0	0
National Science Foundation	12,370	0	50	0	12,320	0	0	0	0
Kansas, total	87,858	12,198	18,191	0	50,399	0	5,269	0	1,801
Department of Agriculture	10,861	4,687	0	0	6,174	0	0	0	0
Department of Defense, research[2]	4,495	872	1,258	0	2,365	0	0	0	0
Dept of Defense, development[2]	15,676	1,879	13,752	0	45	0	0	0	0
Department of Energy	5,275	0	1,489	0	3,786	0	0	0	0
Department of Health & Human Svcs	30,760	0	1,124	0	27,570	0	1,311	0	755
Department of the Interior	5,027	4,759	0	0	129	0	0	0	139
Department of Transportation	1,912	0	5	0	1,000	0	0	0	907
Environmental Protection Agency	1	0	1	0	0	0	0	0	0
National Aeronautics and Space Admin	6,585	1	562	0	2,064	0	3,958	0	0
National Science Foundation	7,266	0	0	0	7,266	0	0	0	0
Kentucky, total	86,668	15,728	8,534	0	58,977	0	1,547	0	1,882
Department of Agriculture	10,975	1,465	0	0	9,510	0	0	0	0
Department of Commerce	56	0	0	0	56	0	0	0	0
Department of Defense, research[2]	3,217	1,559	357	0	1,301	0	0	0	0
Dept of Defense, development[2]	12,743	9,088	2,844	0	0	0	811	0	0
Department of Energy	5,408	0	0	0	5,408	0	0	0	0
Department of Health & Human Svcs	38,389	0	2,485	0	34,616	0	736	0	552
Department of the Interior	4,079	3,616	0	0	196	0	0	0	267
Department of Transportation	1,063	0	0	0	0	0	0	0	1,063
Environmental Protection Agency	3,220	0	2,764	0	456	0	0	0	0
National Aeronautics and Space Admin	732	0	34	0	698	0	0	0	0
National Science Foundation	6,786	0	50	0	6,736	0	0	0	0
Louisiana, total	152,635	42,557	15,534	0	90,269	0	1,977	0	2,298
Department of Agriculture	31,889	23,975	0	0	7,787	0	126	0	1
Department of Commerce	2,691	1,093	2	0	1,596	0	0	0	0
Department of Defense, research[2]	11,590	415	152	0	11,013	0	10	0	0
Dept of Defense, development[2]	9,114	2,145	5,921	0	1,048	0	0	0	0
Department of Energy	11,860	251	8,004	0	3,605	0	0	0	0
Department of Health & Human Svcs	57,417	2,430	555	0	52,229	0	1,841	0	362
Department of the Interior	14,855	12,142	209	0	2,280	0	0	0	224
Department of Transportation	1,259	49	0	0	49	0	0	0	1,161
Environmental Protection Agency	1,799	0	0	0	1,799	0	0	0	0
National Aeronautics and Space Admin	2,253	57	691	0	1,505	0	0	0	0
National Science Foundation	7,908	0	0	0	7,358	0	0	0	550

See explanatory information, if any, and SOURCE at end of table

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Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Maine, total	65,239	13,003	17,213	0	16,362	0	17,055	0	1,606
Department of Agriculture	5,502	1,168	0	0	4,334	0	0	0	0
Department of Commerce	7,599	5,940	0	0	1,619	0	0	0	40
Department of Defense, research[2]	1,835	51	1,264	0	410	0	110	0	0
Dept of Defense, development[2]	11,869	2,630	9,239	0	0	0	0	0	0
Department of Energy	4,589	0	3,169	0	1,420	0	0	0	0
Department of Health & Human Svcs	17,420	0	317	0	689	0	15,253	0	1,161
Department of the Interior	3,583	3,214	0	0	360	0	0	0	9
Department of Transportation	396	0	0	0	0	0	0	0	396
Environmental Protection Agency	2,600	0	2,386	0	214	0	0	0	0
National Aeronautics and Space Admin	792	0	218	0	175	0	399	0	0
National Science Foundation	9,054	0	620	0	7,141	0	1,293	0	0
Maryland, total	7,238,474	4,009,606	2,201,606	107,112	689,819	15,064	204,180	5,437	5,650
Department of Agriculture	110,665	99,390	159	0	10,249	0	781	0	86
Department of Commerce	196,514	188,269	4,093	0	3,691	0	0	0	461
Department of Defense, research[2]	381,710	246,382	105,542	0	28,754	0	755	277	0
Dept of Defense, development[2]	3,171,253	1,376,390	1,431,354	0	266,454	15,064	76,831	5,160	0
Department of Energy	85,421	42,924	27,499	0	13,893	0	1,105	0	0
Department of Health & Human Svcs	2,303,712	1,684,003	161,050	107,112	304,406	0	46,471	0	670
Department of the Interior	20,081	19,909	12	0	160	0	0	0	0
Department of Transportation	33,975	4,512	25,872	0	1,046	0	326	0	2,219
Environmental Protection Agency	8,109	0	5,195	0	1,720	0	0	0	1,194
National Aeronautics and Space Admin	884,265	345,974	437,188	0	27,178	0	72,905	0	1,020
National Science Foundation	42,769	1,853	3,642	0	32,268	0	5,006	0	0
Massachusetts, total	3,551,660	383,885	1,506,230	0	681,394	265,479	525,805	175,494	13,373
Department of Agriculture	20,834	14,729	6	0	5,784	0	315	0	0
Department of Commerce	37,827	27,169	7,260	0	2,497	538	307	0	56
Department of Defense, research[2]	375,077	86,994	123,748	0	117,166	21,961	24,334	731	143
Dept of Defense, development[2]	1,793,446	170,406	1,243,021	0	14,047	175,698	15,701	174,573	0
Department of Energy	82,543	727	6,836	0	71,704	0	3,276	0	0
Department of Health & Human Svcs	853,135	27,457	63,820	0	279,415	53,814	423,085	0	5,544
Department of the Interior	7,391	5,383	331	0	1,296	0	55	0	326
Department of Transportation	80,144	50,019	6,975	0	2,613	13,419	0	0	7,118
Environmental Protection Agency	24,701	0	18,489	0	6,026	0	0	0	186
National Aeronautics and Space Admin	132,368	549	26,365	0	49,424	49	55,981	0	0
National Science Foundation	144,194	452	9,379	0	131,422	0	2,751	190	0
Michigan, total	877,983	95,717	359,694	0	360,856	0	57,861	0	3,855
Department of Agriculture	21,209	5,932	147	0	14,925	0	205	0	0
Department of Commerce	14,341	5,678	7,996	0	667	0	0	0	0
Department of Defense, research[2]	103,385	25,090	51,622	0	26,029	0	644	0	0
Dept of Defense, development[2]	366,891	50,066	284,616	0	5,674	0	26,535	0	0
Department of Energy	15,989	0	996	0	14,948	0	45	0	0
Department of Health & Human Svcs	243,611	0	7,434	0	223,418	0	10,756	0	2,003
Department of the Interior	9,627	8,892	40	0	695	0	0	0	0
Department of Transportation	6,020	1	781	0	3,386	0	0	0	1,852
Environmental Protection Agency	4,408	0	2,472	0	1,936	0	0	0	0
National Aeronautics and Space Admin	31,055	58	2,969	0	11,990	0	16,038	0	0
National Science Foundation	61,447	0	621	0	57,188	0	3,638	0	0
Minnesota, total	445,536	40,129	140,918	0	167,277	0	91,959	0	5,253
Department of Agriculture	24,452	14,591	80	0	9,780	0	1	0	0
Department of Commerce	8,270	4,582	3,460	0	228	0	0	0	0
Department of Defense, research[2]	34,644	870	24,905	0	8,370	0	499	0	0
Dept of Defense, development[2]	123,481	2,331	98,191	0	1,959	0	21,000	0	0
Department of Energy	7,086	0	0	0	7,086	0	0	0	0
Department of Health & Human Svcs	182,034	0	3,801	0	105,035	0	70,340	0	2,858
Department of the Interior	20,026	17,755	1,283	0	976	0	0	0	12
Department of Transportation	9,077	0	5,332	0	1,387	0	0	0	2,358
Environmental Protection Agency	4,846	0	2,391	0	2,430	0	0	0	25
National Aeronautics and Space Admin	4,123	0	1,036	0	3,087	0	0	0	0
National Science Foundation	27,497	0	439	0	26,939	0	119	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

Page 6 of 11

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Mississippi, total	259,827	162,622	46,164	0	45,538	0	3,828	0	1,675
Department of Agriculture	48,428	34,155	3	0	13,407	0	839	0	24
Department of Commerce	4,302	2,522	1,295	0	485	0	0	0	0
Department of Defense, research[2]	78,442	67,292	5,000	0	5,914	0	236	0	0
Dept of Defense, development[2]	41,714	31,836	9,076	0	689	0	113	0	0
Department of Energy	24,173	192	17,144	0	6,837	0	0	0	0
Department of Health & Human Svcs	12,871	0	50	0	11,513	0	500	0	808
Department of the Interior	8,485	7,680	0	0	805	0	0	0	0
Department of Transportation	968	125	0	0	0	0	0	0	843
Environmental Protection Agency	460	0	0	0	460	0	0	0	0
National Aeronautics and Space Admin	35,779	18,711	13,596	0	1,504	0	1,968	0	0
National Science Foundation	4,205	109	0	0	3,924	0	172	0	0
Missouri, total	726,344	51,288	455,515	0	198,273	0	18,042	0	3,226
Department of Agriculture	18,578	7,956	0	0	10,592	0	30	0	0
Department of Commerce	96	0	21	0	75	0	0	0	0
Department of Defense, research[2]	17,673	2,425	8,782	0	6,466	0	0	0	0
Dept of Defense, development[2]	467,767	29,308	438,159	0	300	0	0	0	0
Department of Energy	4,881	0	0	0	4,456	0	425	0	0
Department of Health & Human Svcs	176,167	0	1,307	0	156,987	0	16,552	0	1,321
Department of the Interior	12,068	10,491	392	0	1,116	0	0	0	69
Department of Transportation	3,555	1,068	904	0	0	0	0	0	1,583
Environmental Protection Agency	2,666	0	2,167	0	246	0	0	0	253
National Aeronautics and Space Admin	8,296	40	3,609	0	4,577	0	70	0	0
National Science Foundation	14,597	0	174	0	13,458	0	965	0	0
Montana, total	69,050	27,075	22,298	0	17,163	0	1,283	0	1,231
Department of Agriculture	13,392	8,789	7	0	4,515	0	81	0	0
Department of Defense, research[2]	1,043	60	72	0	911	0	0	0	0
Dept of Defense, development[2]	651	448	203	0	0	0	0	0	0
Department of Energy	22,298	380	21,621	0	147	0	0	0	150
Department of Health & Human Svcs	15,808	10,854	0	0	3,562	0	1,202	0	190
Department of the Interior	7,747	6,544	45	0	1,038	0	0	0	120
Department of Transportation	809	0	0	0	38	0	0	0	771
Environmental Protection Agency	610	0	50	0	560	0	0	0	0
National Aeronautics and Space Admin	1,133	0	250	0	883	0	0	0	0
National Science Foundation	5,559	0	50	0	5,509	0	0	0	0
Nebraska, total	78,477	24,730	8,721	0	37,649	0	6,064	0	1,313
Department of Agriculture	24,882	16,715	0	0	8,167	0	0	0	0
Department of Commerce	52	0	0	0	52	0	0	0	0
Department of Defense, research[2]	1,707	364	122	0	1,221	0	0	0	0
Dept of Defense, development[2]	9,851	2,644	7,207	0	0	0	0	0	0
Department of Energy	1,566	0	550	0	1,016	0	0	0	0
Department of Health & Human Svcs	26,221	0	363	0	19,202	0	6,064	0	592
Department of the Interior	5,536	5,007	35	0	454	0	0	0	40
Department of Transportation	681	0	0	0	0	0	0	0	681
Environmental Protection Agency	520	0	0	0	520	0	0	0	0
National Aeronautics and Space Admin	1,332	0	444	0	888	0	0	0	0
National Science Foundation	6,129	0	0	0	6,129	0	0	0	0
Nevada, total	406,159	71,044	313,149	0	19,629	0	1,335	0	1,002
Department of Agriculture	2,362	676	0	0	1,686	0	0	0	0
Department of Commerce	443	0	0	0	92	0	0	0	351
Department of Defense, research[2]	37,007	33,858	2,833	0	316	0	0	0	0
Dept of Defense, development[2]	16,639	13,621	3,018	0	0	0	0	0	0
Department of Energy	298,208	25	297,554	0	629	0	0	0	0
Department of Health & Human Svcs	7,730	9	248	0	5,996	0	1,335	0	142
Department of the Interior	18,631	16,918	237	0	1,456	0	0	0	20
Department of Transportation	1,985	0	1,471	0	25	0	0	0	489
Environmental Protection Agency	16,330	5,639	7,570	0	3,121	0	0	0	0
National Aeronautics and Space Admin	1,089	298	218	0	573	0	0	0	0
National Science Foundation	5,735	0	0	0	5,735	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

Page 7 of 11

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
New Hampshire, total	237,604	88,839	81,273	0	63,448	0	2,306	0	1,738
Department of Agriculture	4,700	2,067	0	0	2,609	0	0	0	24
Department of Commerce	2,867	2,044	5	0	778	0	0	0	40
Department of Defense, research[2]	22,761	13,259	4,598	0	4,591	0	313	0	0
Dept of Defense, development[2]	141,982	67,557	73,193	0	187	0	1,045	0	0
Department of Energy	1,664	0	0	0	1,657	0	7	0	0
Department of Health & Human Svcs	35,994	0	534	0	33,228	0	941	0	1,291
Department of the Interior	3,443	3,077	36	0	330	0	0	0	0
Department of Transportation	998	376	239	0	0	0	0	0	383
Environmental Protection Agency	250	0	0	0	250	0	0	0	0
National Aeronautics and Space Admin	12,663	172	2,166	0	10,325	0	0	0	0
National Science Foundation	10,282	287	502	0	9,493	0	0	0	0
New Jersey, total	1,422,848	509,310	594,558	0	189,222	106,097	11,876	7,995	3,790
Department of Agriculture	5,420	925	0	0	4,495	0	0	0	0
Department of Commerce	15,416	11,801	1,776	0	1,799	0	0	0	40
Department of Defense, research[2]	204,513	127,902	43,708	0	32,599	149	155	0	0
Dept of Defense, development[2]	711,533	311,643	379,025	0	12,870	0	0	7,995	0
Department of Energy	134,643	0	15,615	0	12,952	105,948	128	0	0
Department of Health & Human Svcs	96,915	0	9,441	0	77,828	0	8,259	0	1,387
Department of the Interior	4,937	4,615	0	0	292	0	0	0	30
Department of Transportation	72,865	52,210	15,258	0	3,089	0	0	0	2,308
Environmental Protection Agency	1,614	0	400	0	1,214	0	0	0	0
National Aeronautics and Space Admin	134,877	214	127,915	0	6,444	0	304	0	0
National Science Foundation	40,115	0	1,420	0	35,640	0	3,030	0	25
New Mexico, total	2,309,611	503,783	176,624	859,271	104,633	646,295	6,762	8,313	3,930
Department of Agriculture	5,825	2,391	0	0	3,420	0	14	0	0
Department of Commerce	40	0	0	0	0	0	0	0	40
Department of Defense, research[2]	187,074	52,862	27,811	40,671	28,144	35,585	1,681	320	0
Dept of Defense, development[2]	755,866	404,595	138,428	137,316	14,005	59,783	0	15	1,724
Department of Energy	1,262,663	21,349	3,295	680,685	7,761	541,699	689	7,185	0
Department of Health & Human Svcs	32,621	1,472	1,241	0	18,541	6,918	2,659	793	997
Department of the Interior	7,045	5,967	60	166	696	0	65	0	91
Department of Transportation	7,943	3,148	839	433	397	1,000	1,286	0	840
Environmental Protection Agency	420	0	169	0	62	0	0	0	189
National Aeronautics and Space Admin	40,193	10,971	3,491	0	24,247	1,296	139	0	49
National Science Foundation	9,921	1,028	1,290	0	7,360	14	229	0	0
New York, total	2,538,016	131,440	957,065	0	998,061	193,249	184,734	0	73,467
Department of Agriculture	30,889	14,263	60	0	15,509	0	1,057	0	0
Department of Commerce	4,838	1,730	1,192	0	1,847	16	0	0	53
Department of Defense, research[2]	188,827	35,112	85,588	0	65,879	1,149	1,099	0	0
Dept of Defense, development[2]	586,324	59,799	519,768	0	3,701	486	2,570	0	0
Department of Energy	559,942	13,138	300,274	0	58,173	186,921	1,436	0	0
Department of Health & Human Svcs	895,648	150	14,456	0	642,343	4,148	168,643	0	65,908
Department of the Interior	7,036	5,121	123	0	1,783	0	0	0	9
Department of Transportation	25,968	0	11,417	0	7,840	0	0	0	6,711
Environmental Protection Agency	5,062	0	1,928	0	2,563	0	0	0	571
National Aeronautics and Space Admin	49,294	2,127	19,057	0	25,931	0	2,179	0	0
National Science Foundation	184,188	0	3,202	0	172,492	529	7,750	0	215
North Carolina, total	719,115	174,294	95,261	0	395,051	0	37,212	0	17,297
Department of Agriculture	32,471	17,261	219	0	14,921	0	70	0	0
Department of Commerce	9,508	5,540	1,225	0	2,701	0	42	0	0
Department of Defense, research[2]	57,412	17,169	11,954	0	26,191	0	2,098	0	0
Dept of Defense, development[2]	55,475	23,986	27,823	0	1,605	0	2,061	0	0
Department of Energy	12,983	764	1,614	0	9,356	0	1,249	0	0
Department of Health & Human Svcs	402,825	70,224	12,991	0	286,705	0	29,792	0	3,113
Department of the Interior	5,156	4,404	0	0	731	0	0	0	21
Department of Transportation	4,940	0	0	0	1,575	0	0	0	3,365
Environmental Protection Agency	92,765	34,672	36,246	0	11,049	0	0	0	10,798
National Aeronautics and Space Admin	9,293	24	1,474	0	6,188	0	1,607	0	0
National Science Foundation	36,287	250	1,715	0	34,029	0	293	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

Page 8 of 11

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
North Dakota, total	50,329	27,220	595	0	20,318	0	1,139	0	1,057
Department of Agriculture	27,062	18,992	0	0	8,070	0	0	0	0
Department of Commerce	295	0	0	0	0	0	0	0	295
Department of Defense, research[2]	991	0	146	0	845	0	0	0	0
Dept of Defense, development[2]	1,179	697	317	0	165	0	0	0	0
Department of Energy	5,449	0	40	0	5,409	0	0	0	0
Department of Health & Human Svcs	3,041	0	0	0	1,675	0	1,139	0	227
Department of the Interior	8,111	7,531	0	0	537	0	0	0	43
Department of Transportation	492	0	0	0	0	0	0	0	492
Environmental Protection Agency	1,600	0	0	0	1,600	0	0	0	0
National Aeronautics and Space Admin	154	0	92	0	62	0	0	0	0
National Science Foundation	1,955	0	0	0	1,955	0	0	0	0
Ohio, total	1,921,720	583,033	952,372	0	303,385	0	77,075	0	5,855
Department of Agriculture	17,590	6,785	3	0	10,802	0	0	0	0
Department of Commerce	940	0	616	0	299	0	25	0	0
Department of Defense, research[2]	305,229	142,130	121,166	0	36,550	0	5,383	0	0
Dept of Defense, development[2]	771,818	145,558	595,057	0	15,026	0	16,177	0	0
Department of Energy	32,745	12,767	12,683	0	6,769	0	526	0	0
Department of Health & Human Svcs	234,886	11,828	8,239	0	172,294	0	41,215	0	1,310
Department of the Interior	5,586	4,367	0	0	994	0	0	0	225
Department of Transportation	12,758	7,145	933	0	974	0	762	0	2,944
Environmental Protection Agency	33,256	22,002	5,616	0	5,064	0	0	0	574
National Aeronautics and Space Admin	473,860	230,451	207,296	0	22,460	0	12,851	0	802
National Science Foundation	33,052	0	763	0	32,153	0	136	0	0
Oklahoma, total	117,908	34,311	25,377	0	41,609	0	15,119	0	1,492
Department of Agriculture	16,170	9,061	0	0	7,064	0	0	0	45
Department of Commerce	4,043	3,245	542	0	256	0	0	0	0
Department of Defense, research[2]	3,708	408	839	0	2,461	0	0	0	0
Dept of Defense, development[2]	21,347	5,137	15,839	0	29	0	342	0	0
Department of Energy	18,615	1,894	1,853	0	7,050	0	7,818	0	0
Department of Health & Human Svcs	22,544	0	558	0	14,671	0	6,879	0	436
Department of the Interior	4,879	4,458	0	0	401	0	0	0	20
Department of Transportation	10,523	6,660	2,240	0	632	0	0	0	991
Environmental Protection Agency	7,372	3,025	3,406	0	941	0	0	0	0
National Aeronautics and Space Admin	838	423	0	0	400	0	15	0	0
National Science Foundation	7,869	0	100	0	7,704	0	65	0	0
Oregon, total	229,375	50,795	26,350	0	122,641	0	26,310	0	3,279
Department of Agriculture	33,210	19,026	36	0	13,797	0	332	0	19
Department of Commerce	9,266	4,963	2,505	0	1,798	0	0	0	0
Department of Defense, research[2]	20,293	954	8,504	0	10,797	0	38	0	0
Dept of Defense, development[2]	8,533	1,005	4,003	0	3,411	0	114	0	0
Department of Energy	9,916	975	2,860	0	5,706	0	0	0	375
Department of Health & Human Svcs	83,668	0	2,342	0	54,858	0	24,895	0	1,573
Department of the Interior	22,006	18,707	494	0	2,642	0	17	0	146
Department of Transportation	1,835	0	10	0	659	0	0	0	1,166
Environmental Protection Agency	10,512	5,045	2,522	0	2,945	0	0	0	0
National Aeronautics and Space Admin	6,149	120	2,350	0	3,599	0	80	0	0
National Science Foundation	23,987	0	724	0	22,429	0	834	0	0
Pennsylvania, total	2,566,507	353,951	1,319,823	0	706,699	21,636	158,950	0	5,448
Department of Agriculture	40,381	27,871	0	0	12,447	0	25	0	38
Department of Commerce	2,484	231	1,766	0	227	200	60	0	0
Department of Defense, research[2]	195,152	34,830	36,472	0	104,741	18,679	430	0	0
Dept of Defense, development[2]	1,288,104	197,786	1,011,100	0	37,350	2,757	39,111	0	0
Department of Energy	345,274	62,389	243,182	0	24,119	0	15,584	0	0
Department of Health & Human Svcs	508,008	1,160	3,872	0	404,298	0	97,680	0	998
Department of the Interior	39,782	29,234	7,239	0	3,154	0	0	0	155
Department of Transportation	11,523	450	4,261	0	2,435	0	400	0	3,977
Environmental Protection Agency	3,090	0	226	0	2,584	0	0	0	280
National Aeronautics and Space Admin	30,011	0	9,855	0	19,654	0	502	0	0
National Science Foundation	102,698	0	1,850	0	95,690	0	5,158	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Rhode Island, total	495,591	184,784	233,984	0	54,424	0	20,258	0	2,141
Department of Agriculture	2,061	0	0	0	2,012	0	49	0	0
Department of Commerce	6,814	4,724	702	0	1,348	0	0	0	40
Department of Defense, research[2]	38,966	24,726	3,223	0	10,895	0	122	0	0
Dept of Defense, development[2]	373,606	147,557	226,049	0	0	0	0	0	0
Department of Energy	2,527	0	48	0	2,372	0	107	0	0
Department of Health & Human Svcs	37,194	0	179	0	16,537	0	18,878	0	1,600
Department of the Interior	3,359	2,442	275	0	642	0	0	0	0
Department of Transportation	1,357	608	248	0	0	0	0	0	501
Environmental Protection Agency	7,403	4,682	2,439	0	282	0	0	0	0
National Aeronautics and Space Admin	3,472	45	154	0	3,092	0	181	0	0
National Science Foundation	18,832	0	667	0	17,244	0	921	0	0
South Carolina, total	173,173	38,208	18,169	58,812	53,349	0	2,068	0	2,567
Department of Agriculture	15,372	8,098	0	0	7,264	0	0	0	10
Department of Commerce	13,263	8,773	3,521	0	969	0	0	0	0
Department of Defense, research[2]	5,602	797	450	0	4,318	0	37	0	0
Dept of Defense, development[2]	29,984	16,804	9,612	1,300	530	0	1,738	0	0
Department of Energy	66,588	0	3,725	57,512	5,351	0	0	0	0
Department of Health & Human Svcs	27,292	50	795	0	24,656	0	191	0	1,600
Department of the Interior	4,509	3,686	0	0	805	0	0	0	18
Department of Transportation	1,025	0	0	0	86	0	0	0	939
Environmental Protection Agency	428	0	28	0	400	0	0	0	0
National Aeronautics and Space Admin	1,290	0	38	0	1,201	0	51	0	0
National Science Foundation	7,820	0	0	0	7,769	0	51	0	0
South Dakota, total	26,896	13,236	3,363	0	8,403	0	1,202	0	692
Department of Agriculture	5,237	2,138	0	0	3,099	0	0	0	0
Department of Commerce	24	0	24	0	0	0	0	0	0
Department of Defense, research[2]	587	380	154	0	53	0	0	0	0
Dept of Defense, development[2]	866	26	840	0	0	0	0	0	0
Department of Energy	21	0	0	0	21	0	0	0	0
Department of Health & Human Svcs	2,894	891	166	0	472	0	1,202	0	163
Department of the Interior	7,841	5,487	1,962	0	392	0	0	0	0
Department of Transportation	529	0	0	0	0	0	0	0	529
Environmental Protection Agency	259	0	0	0	259	0	0	0	0
National Aeronautics and Space Admin	5,244	4,314	217	0	713	0	0	0	0
National Science Foundation	3,394	0	0	0	3,394	0	0	0	0
Tennessee, total	674,420	86,547	51,224	303,711	160,733	24,456	45,574	0	2,175
Department of Agriculture	8,909	295	0	0	8,492	0	52	0	70
Department of Commerce	3,015	2,963	0	0	0	16	0	0	36
Department of Defense, research[2]	21,733	3,918	771	2,560	10,676	3,808	0	0	0
Dept of Defense, development[2]	98,484	64,506	12,551	15,106	165	4,082	2,074	0	0
Department of Energy	343,567	6,663	28,765	280,352	12,002	15,785	0	0	0
Department of Health & Human Svcs	134,057	382	599	867	111,449	765	19,565	0	430
Department of the Interior	5,361	3,949	180	0	1,192	0	0	0	40
Department of Transportation	6,839	51	0	4,373	816	0	0	0	1,599
Environmental Protection Agency	1,176	0	697	0	479	0	0	0	0
National Aeronautics and Space Admin	39,779	3,669	7,561	0	4,761	0	23,788	0	0
National Science Foundation	11,500	151	100	453	10,701	0	95	0	0
Texas, total	2,546,214	467,760	1,253,665	0	587,349	6,090	224,091	0	7,259
Department of Agriculture	61,289	41,605	77	0	19,508	0	0	0	99
Department of Commerce	6,646	137	4,810	0	1,459	0	0	0	240
Department of Defense, research[2]	150,252	29,341	74,150	0	45,180	0	1,581	0	0
Dept of Defense, development[2]	908,491	53,486	762,523	0	24,772	6,090	61,620	0	0
Department of Energy	146,314	0	12,816	0	27,183	0	106,315	0	0
Department of Health & Human Svcs	401,192	69	5,681	0	362,578	0	31,408	0	1,456
Department of the Interior	8,229	7,034	310	0	816	0	0	0	69
Department of Transportation	11,066	526	2,393	0	2,863	0	499	0	4,785
Environmental Protection Agency	13,471	0	3,966	0	9,505	0	0	0	0
National Aeronautics and Space Admin	778,541	335,562	385,487	0	34,788	0	22,094	0	610
National Science Foundation	60,723	0	1,452	0	58,697	0	574	0	0

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Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

Page 10 of 11

State and agency	Total	Intramural[1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Utah, total	298,829	140,556	36,434	0	116,039	0	4,924	0	876
Department of Agriculture	12,483	9,079	0	0	3,399	0	0	0	5
Department of Commerce	559	0	468	0	91	0	0	0	0
Department of Defense, research[2]	15,614	4,182	2,115	0	9,317	0	0	0	0
Dept of Defense, development[2]	154,486	115,039	20,151	0	19,296	0	0	0	0
Department of Energy	10,779	0	2,371	0	4,713	0	3,695	0	0
Department of Health & Human Svcs	61,594	0	5,035	0	55,138	0	1,229	0	192
Department of the Interior	14,758	12,256	40	0	2,376	0	0	0	86
Department of Transportation	1,077	0	148	0	336	0	0	0	593
Environmental Protection Agency	2,165	0	165	0	2,000	0	0	0	0
National Aeronautics and Space Admin	7,828	0	5,337	0	2,491	0	0	0	0
National Science Foundation	17,486	0	604	0	16,882	0	0	0	0
Vermont, total	62,143	5,601	17,118	0	35,313	0	3,369	0	742
Department of Agriculture	5,927	1,640	0	0	4,287	0	0	0	0
Department of Defense, research[2]	446	85	148	0	213	0	0	0	0
Dept of Defense, development[2]	16,451	566	15,885	0	0	0	0	0	0
Department of Energy	539	0	0	0	539	0	0	0	0
Department of Health & Human Svcs	31,077	0	549	0	26,767	0	3,369	0	392
Department of the Interior	3,585	3,310	0	0	275	0	0	0	0
Department of Transportation	350	0	0	0	0	0	0	0	350
Environmental Protection Agency	309	0	309	0	0	0	0	0	0
National Aeronautics and Space Admin	215	0	152	0	63	0	0	0	0
National Science Foundation	3,244	0	75	0	3,169	0	0	0	0
Virginia, total	3,402,556	1,226,598	1,748,093	272	201,668	28,250	53,272	133,546	10,857
Department of Agriculture	11,349	1,599	99	0	8,625	0	958	0	68
Department of Commerce	21,826	8,488	11,542	0	1,335	0	0	0	461
Department of Defense, research[2]	459,119	137,172	278,793	0	26,699	0	5,349	11,106	0
Dept of Defense, development[2]	1,897,932	760,939	1,002,437	272	2,574	0	13,485	116,782	1,443
Department of Energy	54,012	9,169	6,197	0	8,305	28,250	2,091	0	0
Department of Health & Human Svcs	170,281	50	63,012	0	96,406	0	8,016	0	2,797
Department of the Interior	41,883	31,464	8,313	0	2,101	0	0	0	5
Department of Transportation	35,138	11,003	15,278	0	1,088	0	0	5,658	2,111
Environmental Protection Agency	57,487	21,758	34,344	0	1,040	0	0	0	345
National Aeronautics and Space Admin	606,192	243,089	322,872	0	22,285	0	14,319	0	3,627
National Science Foundation	47,337	1,867	5,206	0	31,210	0	9,054	0	0
Washington, total	878,074	113,263	265,947	0	299,465	530	75,104	116,829	6,936
Department of Agriculture	32,322	18,091	35	0	14,166	0	30	0	0
Department of Commerce	44,811	37,676	3,427	0	2,822	0	0	0	886
Department of Defense, research[2]	53,299	1,064	24,816	0	26,215	0	303	901	0
Dept of Defense, development[2]	232,379	33,915	189,764	0	5,333	0	135	3,232	0
Department of Energy	138,858	1,708	15,831	0	15,929	530	135	104,525	200
Department of Health & Human Svcs	269,666	0	5,440	0	178,435	0	73,581	8,026	4,184
Department of the Interior	21,378	18,889	678	0	1,758	0	0	0	53
Department of Transportation	9,307	1,123	6,541	0	150	0	0	0	1,493
Environmental Protection Agency	978	0	49	0	809	0	0	0	120
National Aeronautics and Space Admin	28,085	797	17,738	0	9,416	0	1	133	0
National Science Foundation	46,991	0	1,628	0	44,432	0	919	12	0
West Virginia, total	206,208	93,059	39,171	0	38,994	29,215	3,503	0	2,266
Department of Agriculture	20,612	14,673	0	0	4,718	0	1,211	0	10
Department of Defense, research[2]	2,546	0	1,180	0	1,366	0	0	0	0
Dept of Defense, development[2]	1,699	4	1,220	0	475	0	0	0	0
Department of Energy	104,424	61,976	34,992	0	5,913	0	1,543	0	0
Department of Health & Human Svcs	19,851	8,786	1,000	0	8,545	0	483	0	1,037
Department of the Interior	10,172	7,620	358	0	1,979	0	0	0	215
Department of Transportation	1,096	0	306	0	0	0	0	0	790
Environmental Protection Agency	214	0	0	0	0	0	0	0	214
National Aeronautics and Space Admin	13,636	0	115	0	13,255	0	266	0	0
National Science Foundation	31,958	0	0	0	2,743	29,215	0	0	0

See explanatory information, if any, and SOURCE at end of table

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Table C-82. Federal obligations for research and development, by State, agency, and performer: fiscal year 1993

[Dollars in thousands]

State and agency	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Wisconsin, total	350,775	38,190	44,412	0	238,342	0	26,369	0	3,462
Department of Agriculture	34,818	23,283	122	0	11,368	0	0	0	45
Department of Commerce	2,160	748	0	0	1,412	0	0	0	0
Department of Defense, research[2]	28,627	1,265	10,069	0	17,293	0	0	0	0
Dept of Defense, development[2]	28,955	57	10,005	0	800	0	18,093	0	0
Department of Energy	20,725	100	0	0	19,931	0	694	0	0
Department of Health & Human Svcs	149,161	0	2,007	0	137,659	0	7,542	0	1,953
Department of the Interior	12,516	11,930	0	0	562	0	0	0	24
Department of Transportation	3,028	807	125	0	695	0	0	0	1,401
Environmental Protection Agency	1,939	0	376	0	1,563	0	0	0	0
National Aeronautics and Space Admin	33,447	0	21,358	0	12,049	0	40	0	0
National Science Foundation	35,399	0	350	0	35,010	0	0	0	39
Wyoming, total	48,234	10,068	7,583	0	23,734	0	5,283	0	1,566
Department of Agriculture	6,936	4,393	0	0	2,533	0	10	0	0
Department of Defense, research[2]	1,800	0	12	0	1,788	0	0	0	0
Dept of Defense, development[2]	890	4	0	0	0	0	0	0	886
Department of Energy	13,536	0	7,495	0	1,031	0	5,010	0	0
Department of Health & Human Svcs	1,648	0	0	0	1,253	0	263	0	132
Department of the Interior	6,395	5,671	76	0	633	0	0	0	15
Department of Transportation	10,791	0	0	0	10,258	0	0	0	533
Environmental Protection Agency	460	0	0	0	460	0	0	0	0
National Aeronautics and Space Admin	376	0	0	0	376	0	0	0	0
National Science Foundation	5,402	0	0	0	5,402	0	0	0	0
Outlying areas, total	332,745	71,772	212,578	0	35,079	7,766	313	0	5,237
Department of Agriculture	12,780	4,943	0	0	7,807	0	0	0	30
Department of Commerce	16,269	0	15,973	0	296	0	0	0	0
Department of Defense, research[2]	2,275	7	258	0	2,010	0	0	0	0
Dept of Defense, development[2]	162,787	64,043	95,818	0	2,926	0	0	0	0
Department of Energy	45	0	0	0	45	0	0	0	0
Department of Health & Human Svcs	19,408	0	0	0	17,097	0	313	0	1,998
Department of the Interior	3,032	2,632	0	0	400	0	0	0	0
Department of Transportation	376	0	0	0	0	0	0	0	376
Environmental Protection Agency	102,334	0	99,254	0	247	0	0	0	2,833
National Aeronautics and Space Admin	1,805	147	1,275	0	383	0	0	0	0
National Science Foundation	11,634	0	0	0	3,868	7,766	0	0	0
Offices abroad, total	17,808	16,207	1,350	0	251	0	0	0	0
Department of Agriculture	4,194	4,194	0	0	0	0	0	0	0
Department of Commerce	82	4	63	0	15	0	0	0	0
Department of Defense, research[2]	1,450	963	251	0	236	0	0	0	0
Dept of Defense, development[2]	11,982	10,946	1,036	0	0	0	0	0	0
Department of Energy	100	100	0	0	0	0	0	0	0

[1] Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] Beginning with Volume XL, Department of Defense (DoD) research is reported separately from DoD development. DoD states that more than 90 percent of its development reported for "universities and colleges" is performed at off-campus, university-affiliated laboratories that are not involved in teaching

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services, the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1993

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-83. Federal obligations for R&D plant, by State and category of performer supported: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

State	Total	Intramural [1]	Extramural						
			Industrial firms	FFRDCs admin by industrial firms	Universities and colleges	FFRDCs admin by univs and colleges	Other nonprofit institutions	FFRDCs admin by nonprofit institutions	State and local govts
Total	3,054,515	422,668	1,048,035	124,428	358,210	619,507	415,635	65,532	500
Alabama	368,155	1,642	355,513	0	11,000	0	0	0	0
Alaska	997	97	0	0	900	0	0	0	0
Arizona	16,870	1,498	0	0	1,302	14,070	0	0	0
Arkansas	3,256	163	0	0	3,093	0	0	0	0
California	469,592	39,653	220,622	1,337	28,923	177,494	1,563	0	0
Colorado	29,963	5,167	2,161	0	760	7,129	0	14,746	0
Connecticut	14,359	161	594	0	13,104	0	0	0	500
Delaware	2,054	44	10	0	2,000	0	0	0	0
District of Columbia	13,319	5,520	800	0	6,999	0	0	0	0
Florida	73,466	10,845	57,281	0	5,340	0	0	0	0
Georgia	3,509	1,059	643	0	1,807	0	0	0	0
Hawaii	19,257	2,934	996	0	13,537	0	1,790	0	0
Idaho	27,363	997	22,485	3,396	485	0	0	0	0
Illinois	201,565	3,448	56	0	12,484	185,250	327	0	0
Indiana	22,567	133	8,828	0	13,606	0	0	0	0
Iowa	7,893	2,793	0	0	295	4,805	0	0	0
Kansas	10,133	327	1	0	9,805	0	0	0	0
Louisiana	29,458	5,089	14,369	0	10,000	0	0	0	0
Maine	989	42	0	0	947	0	0	0	0
Maryland	264,581	165,848	54,102	0	44,631	0	0	0	0
Massachusetts	22,334	451	204	0	21,614	0	65	0	0
Michigan	21,712	1,168	313	0	19,776	0	455	0	0
Minnesota	2,989	475	137	0	2,377	0	0	0	0
Mississippi	42,202	10,643	31,367	0	192	0	0	0	0
Missouri	1,496	116	0	0	1,130	0	250	0	0
Montana	1,555	117	550	0	888	0	0	0	0
Nebraska	982	882	0	0	100	0	0	0	0
Nevada	50,185	0	49,976	0	209	0	0	0	0
New Hampshire	760	554	206	0	0	0	0	0	0
New Jersey	53,167	30,555	1,630	0	15,387	5,595	0	0	0
New Mexico	181,362	1,731	13,009	92,888	1,470	71,076	0	1,188	0
New York	177,683	2,153	27,810	0	34,421	109,713	3,586	0	0
North Carolina	36,579	27,506	1,063	0	8,010	0	0	0	0
North Dakota	5,498	1,158	0	0	4,340	0	0	0	0
Ohio	64,053	28,424	31,324	0	4,305	0	0	0	0
Oklahoma	1,013	876	102	0	35	0	0	0	0
Oregon	13,763	1,872	0	0	11,891	0	0	0	0
Pennsylvania	95,723	2,045	54,939	0	20,324	0	18,415	0	0
Rhode Island	634	0	0	0	634	0	0	0	0
South Carolina	4,909	265	1,850	2,444	350	0	0	0	0
South Dakota	981	132	0	0	849	0	0	0	0
Tennessee	29,490	9	2,978	24,363	1,965	175	0	0	0
Texas	429,116	5,450	29,965	0	4,517	0	389,184	0	0
Utah	3,528	1,294	1,401	0	833	0	0	0	0
Vermont	50	50	0	0	0	0	0	0	0
Virginia	131,036	41,702	44,785	0	3,449	41,100	0	0	0
Washington	71,622	9,204	1,240	0	11,580	0	0	49,598	0
West Virginia	8,395	3,210	5,185	0	0	0	0	0	0
Wisconsin	8,018	2,070	20	0	5,928	0	0	0	0
Wyoming	613	195	0	0	418	0	0	0	0
Outlying areas	13,140	320	9,520	0	200	3,100	0	0	0
Offices abroad	581	581	0	0	0	0	0	0	0

[1] Federal installations

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1993.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-84. Federal obligations for R&D plant, by State and agency: fiscal year 1993

[Dollars in thousands]

Page 1 of 1

State	Total	Dept of Agriculture	Dept of Commerce	Dept of Defense	Dept of Energy	Dept of Health & Human Services	Dept of the Interior	Dept of Transportation	EPA	NASA	National Science Foundation
Total	3,054,515	142,404	23,776	371,515	1,461,533	149,328	23,141	32,319	2,500	717,563	130,436
Alabama	368,155	82	0	1,695	10,000	0	0	0	0	355,378	1,000
Alaska	997	25	0	0	0	0	72	0	0	0	900
Arizona	16,870	1,445	0	1,120	235	0	0	0	0	0	14,070
Arkansas	3,256	3,256	0	0	0	0	0	0	0	0	0
California	469,592	13,183	1,500	178,300	167,485	202	0	150	0	74,792	33,980
Colorado	29,963	1,392	2,608	0	15,915	0	303	1,604	0	0	8,141
Connecticut	14,359	43	0	312	12,646	179	0	500	0	0	679
Delaware	2,054	44	10	0	0	0	0	0	0	0	2,000
District of Columbia	13,319	2,670	294	2,070	976	0	0	7,000	250	59	0
Florida	73,466	2,348	0	8,470	60	0	0	0	250	57,058	5,280
Georgia	3,509	2,866	0	0	0	0	0	0	0	643	0
Hawaii	19,257	3,874	0	996	10,325	0	0	0	0	2,272	1,790
Idaho	27,363	1,482	0	0	25,881	0	0	0	0	0	0
Illinois	201,565	3,655	0	294	185,575	1,123	0	150	0	56	10,712
Indiana	22,567	2,223	0	0	10,986	220	0	0	0	8,828	310
Iowa	7,893	2,793	0	0	4,892	0	0	0	0	0	208
Kansas	10,133	1,639	0	7,700	1	0	0	0	0	0	793
Louisiana	29,458	1,688	0	80	10,000	1,404	1,917	0	0	14,369	0
Maine	989	795	0	0	0	0	0	0	0	0	194
Maryland	264,581	32,582	8,214	46,519	1,395	120,940	3,865	0	0	49,828	1,238
Massachusetts	22,334	310	195	10,400	7,112	263	0	0	0	125	3,929
Michigan	21,712	15,025	313	619	1,149	925	84	0	0	0	3,597
Minnesota	2,989	475	0	0	112	0	0	150	0	137	2,115
Mississippi	42,202	6,862	0	3,961	12	0	0	0	0	31,367	0
Missouri	1,496	85	0	0	84	250	31	0	0	0	1,046
Montana	1,555	1,005	0	0	550	0	0	0	0	0	0
Nebraska	982	882	0	0	0	0	0	0	0	0	100
Nevada	50,185	209	0	0	49,976	0	0	0	0	0	0
New Hampshire	760	0	0	554	0	0	0	0	0	206	0
New Jersey	53,167	2,548	493	8,194	16,392	77	1,083	22,357	0	54	1,969
New Mexico	181,362	335	0	3,440	164,864	0	0	0	0	11,273	1,450
New York	177,683	5,539	0	0	161,504	978	0	0	0	310	9,352
North Carolina	36,579	3,923	7,832	150	704	19,872	0	300	1,000	63	2,735
North Dakota	5,498	5,498	0	0	0	0	0	0	0	0	0
Ohio	64,053	617	0	28,424	294	377	0	0	1,000	30,242	3,099
Oklahoma	1,013	743	0	0	270	0	0	0	0	0	0
Oregon	13,763	3,616	0	0	10,000	102	25	0	0	0	20
Pennsylvania	95,723	1,715	172	10,105	66,390	1,339	0	0	0	6,311	9,691
Rhode Island	634	0	0	0	150	0	0	0	0	0	484
South Carolina	4,909	265	0	350	2,094	350	0	0	0	1,850	0
South Dakota	981	981	0	0	0	0	0	0	0	0	0
Tennessee	29,490	1,129	0	589	24,916	0	0	0	0	2,340	516
Texas	429,116	3,120	0	3,848	390,008	598	0	0	0	29,915	1,627
Utah	3,528	1,074	0	1,336	0	0	0	0	0	923	195
Vermont	50	50	0	0	0	0	0	0	0	0	0
Virginia	131,036	859	2,145	41,589	41,209	129	3,758	108	0	38,823	2,416
Washington	71,622	2,475	0	520	59,708	0	8,919	0	0	0	0
West Virginia	8,395	448	0	0	5,511	0	2,432	0	0	4	0
Wisconsin	8,018	3,598	0	0	2,152	0	652	0	0	116	1,500
Wyoming	613	613	0	0	0	0	0	0	0	0	0
Outlying areas	13,140	320	0	9,299	0	0	0	0	0	221	3,300
Offices abroad	581	0	0	581	0	0	0	0	0	0	0

NOTE: Only the following 10 agencies are required to report to this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Interior, Transportation, and Health and Human Services; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. The obligations of the 10 major R&D supporting agencies included in this table represent approximately 98 percent of total Federal R&D and R&D plant obligations in fiscal year 1993.

KEY:
EPA = Environmental Protection Agency
NASA = National Aeronautics & Space Administration

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-85. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Page 1 of 3

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Total, all agencies	$16,556,225	$7,632,357	46	$17,236,774	$8,094,364	47	$16,724,187	$7,974,535	48
Departments:									
Department of Agriculture, total	867,497	542,383	63	903,534	568,199	63	944,550	598,232	63
Agricultural Cooperative Service	2,605	2,255	87	2,412	2,412	100	3,560	3,204	90
Agricultural Marketing Service[1]	4,515	2,249	50	4,855	2,555	53	4,785	2,520	53
Agricultural Research Service	595,985	339,115	57	623,174	353,340	57	640,334	359,227	56
Animal & Plant Health Inspection Service	15,320	13,355	87	15,863	13,777	87	15,509	13,501	87
Cooperative State Research Svc	22,231	10,503	47	23,050	11,442	50	21,576	11,720	54
Economic Research Service	57,077	44,600	78	54,105	44,751	83	52,554	44,323	84
Federal Grain Inspection Service	1,773	355	20	1,791	360	20	1,791	360	20
Forest Service	155,721	120,531	77	166,700	129,772	78	186,500	153,700	82
Foreign Agricultural Service[2]	0	0	0	1,058	1,058	100	1,067	1,067	100
Human Nutrition Information Svc	7,281	5,455	75	7,196	5,811	81	13,503	5,903	44
Nat'l Agricultural Statistics Svc	3,604	2,806	78	3,331	2,921	88	3,371	2,707	80
Office of International Cooperation & Development[2]	1,385	1,159	84	0	0	0	0	0	0
Department of Commerce, total	499,867	323,308	65	563,586	361,736	64	661,555	502,687	76
Bureau of the Census	5,399	3,888	72	5,377	3,871	72	5,564	4,007	72
Economic Development Admin	0	0	0	100	5	5	100	5	5
National Institute of Standards & Technology	151,138	104,579	69	197,808	124,846	63	234,416	141,736	60
National Oceanic & Atmospheric Administration	339,163	210,674	62	355,746	228,459	64	417,008	352,472	85
National Telecommunications & Information Administration	4,167	4,167	100	4,555	4,555	100	4,467	4,467	100
Department of Defense, total	8,742,340	3,592,567	41	8,805,743	3,877,656	44	8,160,068	3,454,336	42
Department of the Army	2,723,417	1,493,646	55	2,590,692	1,419,799	55	2,473,489	1,353,860	55
Department of the Navy	3,246,001	1,268,390	39	3,175,515	1,221,583	38	3,115,800	1,207,717	39
Department of the Air Force	909,307	320,772	35	1,003,713	359,199	36	982,131	377,682	38
Defense agencies, total	1,727,439	505,135	29	1,938,275	873,720	45	1,504,230	512,112	34
Advanced Rsch Projects Agency	172,837	129,628	75	578,228	433,671	75	254,235	190,676	75
Ballistic Missile Defense Organization	699,895	11,015	2	522,962	12,891	2	621,519	23,638	4
Defense Info Systems Agency	13,169	6,604	50	15,630	12,196	78	15,483	13,158	85
Defense Logistics Agency	6,260	6,260	100	9,929	9,929	100	24,349	24,349	100
Defense Mapping Agency	3,325	1,859	56	3,025	1,691	56	4,328	2,419	56
Defense Nuclear Agency	154,456	15,446	10	63,630	6,363	10	52,447	5,245	10
Joint Staff[3]	26,018	1	*	25,780	1	*	4,874	1	*
Special Operations Command	77,225	5,061	7	81,585	5,518	7	65,774	5,520	8
Uniformed Svcs University of the Health Sciences	3,498	770	22	856	1	*	0	0	0
Washington Headquarters Svcs	570,756	328,491	58	636,660	391,459	61	461,221	247,106	54
Operational Test & Evaluation, Director	1,383	186	13	350	250	71	1,601	260	16
Test & Evaluation, Deputy Under Secretary Defense	134,793	4,435	3	94,198	3,105	3	82,817	2,705	3
Department of Education	9,968	8,179	82	10,797	8,893	82	10,520	8,522	81
Department of Energy	516,984	196,756	38	626,194	202,101	32	677,701	205,502	30

See explanatory information, if any, and SOURCE at end of table.

Table C-85. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs, total	$2,032,519	$741,235	36	$2,187,260	$818,352	37	$2,267,933	$934,355	41
Administration on Aging[4]	767	564	74	854	577	68	854	577	68
Admin for Children & Families[4]	432	432	100	401	401	100	401	401	100
Agency for Health Care Policy & Research[5]	29,946	13,438	45	34,290	14,500	42	26,563	21,700	82
Centers for Disease Control	100,742	80,594	80	137,719	110,175	80	137,119	109,695	80
Food & Drug Administration	140,880	119,748	85	152,061	138,261	91	152,365	129,510	85
Health Care Financing Admin	1,342	10	1	889	10	1	1,080	10	1
Health Resources & Svcs Admin	2,959	2,529	85	2,360	1,930	82	2,809	2,379	85
National Institutes of Health	1,736,132	505,849	29	1,840,086	535,398	29	1,929,644	654,985	34
Office of the Assistant Secretary for Health	113	113	100	100	100	100	98	98	100
Office of the Secretary	2,144	896	42	3,000	1,500	50	4,000	2,000	50
Social Security Administration	17,062	17,062	100	15,500	15,500	100	13,000	13,000	100
Department of Housing & Urban Dvlpmt	15,835	11,700	74	19,633	15,000	76	20,241	15,000	74
Department of the Interior, total	521,841	357,847	69	547,046	373,536	68	559,066	394,151	71
Bureau of Land Management	5,264	1,550	29	0	0	0	0	0	0
Bureau of Mines	82,928	64,236	77	85,836	65,156	76	77,655	60,656	78
Bureau of Reclamation	8,600	4,025	47	8,512	4,362	51	5,225	2,873	55
Geological Survey	322,823	207,029	64	326,011	205,833	63	333,617	222,501	67
Minerals Management Service	2,260	776	34	2,145	818	38	2,221	851	38
National Biological Survey	0	0	0	112,672	90,137	80	128,503	100,060	78
National Park Service	21,065	9,792	46	11,820	7,190	61	11,820	7,190	61
Office of the Secretary	100	70	70	50	40	80	25	20	80
Office of Surface Mining Reclamation & Enforcement	1	1	100	0	0	0	0	0	0
US Fish & Wildlife Service	78,800	70,368	89	0	0	0	0	0	0
Department of Justice, total	14,938	7,242	48	15,761	7,446	47	15,809	7,566	48
Bureau of Prisons[6]	2,520	1,900	75	2,500	1,850	74	2,400	1,780	74
Drug Enforcement Administration	92	92	100	150	150	100	150	150	100
Federal Bureau of Investigation	11,309	4,966	44	11,521	5,018	44	11,119	5,071	46
Immigration & Naturalization Svc	40	40	100	40	40	100	40	40	100
Office of Justice Programs	977	244	25	1,550	388	25	2,100	525	25
Department of Labor, total	16,030	6,850	43	10,622	7,159	67	12,539	7,676	61
Bureau of Labor Statistics	2,500	1,165	47	3,100	1,249	40	3,779	1,446	38
Employment & Training Admin	8,946	1,610	18	2,782	1,688	61	3,579	1,750	49
Occupational Safety & Health Administration	1,166	1,166	100	1,239	1,239	100	1,402	1,402	100
Office of the Secretary	2,357	1,893	80	2,438	1,920	79	2,663	1,962	74
Pension Benefit Guaranty Corporation	351	306	87	333	333	100	296	296	100
Pension & Welfare Benefit Admin	710	710	100	730	730	100	820	820	100
Department of State	434	434	100	451	451	100	469	469	100
Department of Transportation, total	204,069	100,323	49	177,093	102,202	58	160,115	101,800	64
Coast Guard	23,381	7,886	34	16,892	7,358	44	14,402	7,003	49
Federal Aviation Administration	136,627	79,642	58	112,725	80,982	72	84,171	77,441	92
Federal Highway Administration	12,015	2,354	20	16,357	3,272	20	31,398	6,608	21
Federal Railroad Administration	10,704	1,649	15	10,714	1,938	18	10,712	1,956	18
Federal Transit Administration[7]	2	2	100	2	2	100	2	2	100
Maritime Administration	951	741	78	955	745	78	1,378	778	56
National Highway Traffic Safety Administration	16,581	4,983	30	12,892	4,217	33	12,538	4,145	33
Office of the Secretary	3,488	2,746	79	3,577	1,930	54	3,161	1,996	63
Research & Special Programs Administration	320	320	100	2,979	1,758	59	2,353	1,871	80

See explanatory information, if any, and SOURCE at end of table

Table C-85. Federal obligations for total research and development to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Page 3 of 3

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of the Treasury, total	$11,132	$6,653	60	$17,681	$11,236	64	$17,399	$13,015	75
Bureau of Engraving & Printing	3,100	196	6	4,129	102	2	1,771	62	4
Financial Crimes Enforcement Network	1,519	615	40	1,875	638	34	1,932	659	34
Internal Revenue Service	4,342	3,860	89	9,565	8,504	89	11,455	10,183	89
Office of Thrift Supervision[8]	738	549	74	448	328	73	491	361	74
United States Customs Service	1,175	1,175	100	1,350	1,350	100	1,450	1,450	100
United States Mint	22	22	100	63	63	100	37	37	100
United States Secret Service[9]	236	236	100	251	251	100	263	263	100
Department of Veterans Affairs	233,752	157,264	67	252,942	169,470	67	208,930	139,982	67
Other agencies									
Advisory Commission on Intergovernmental Relations	2,098	740	35	1,175	598	51	1,575	1,102	70
Agency for International Dvlpmt	183,076	137,307	75	113,880	85,411	75	105,505	59,128	56
Appalachian Regional Commission	370	370	100	100	100	100	100	100	100
Consumer Product Safety Commission	1,090	540	50	335	220	66	175	175	100
Environmental Protection Agency	110,907	107,776	97	115,771	114,937	99	136,110	135,924	100
Federal Communications Commission	1,625	1,625	100	1,735	1,735	100	2,231	2,231	100
Federal Trade Commission	877	649	74	884	660	75	934	684	73
Library of Congress	10,467	6,980	67	10,612	7,099	67	10,523	6,967	66
National Aeronautics & Space Admin	2,295,170	1,180,748	51	2,593,509	1,219,626	47	2,480,594	1,239,494	50
National Archives & Records Admin	320	151	47	120	120	100	120	120	100
National Science Foundation	18,318	12,823	70	18,283	12,798	70	20,472	14,330	70
Nuclear Regulatory Commission	23,304	19,641	84	22,724	19,440	86	23,221	19,996	86
Smithsonian Institution	102,000	66,000	65	104,000	68,000	65	106,000	69,000	65
Tennessee Valley Authority	105,641	37,470	35	101,337	32,770	32	106,742	34,749	33
US Arms Control & Disarmament Agcy	479	71	15	573	63	11	296	50	17
United States Information Agency	1,125	5	*	698	5	1	183	5	3
US International Trade Commission	12,152	6,720	55	12,695	7,345	58	12,511	7,187	57

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[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[4] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[5] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[6] Formerly listed as Federal Prison System.

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[8] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[9] Formerly listed as Office of Protective Research.

NOTES: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

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Table C-86. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	$2,605,112	$1,239,781	48	$2,740,829	$1,295,552	47	$2,719,762	$1,363,158	50
Departments:									
Department of Agriculture, total	407,099	244,919	60	423,752	255,517	60	440,363	268,346	61
Agricultural Research Service	323,885	184,290	57	336,891	191,017	57	346,168	194,200	56
Cooperative State Research Svc	10,266	4,831	47	10,726	5,321	50	10,619	5,895	56
Economic Research Service	10,273	8,028	78	9,739	8,055	83	9,460	7,978	84
Forest Service	60,279	45,785	76	64,276	49,194	77	71,975	58,405	81
Foreign Agricultural Service[1]	0	0	0	970	970	100	978	978	100
Nat'l Agricultural Statistics Svc	1,277	923	72	1,150	960	83	1,163	890	77
Office of International Cooperation & Development[1]	1,119	1,062	95	0	0	0	0	0	0
Department of Commerce, total	33,713	21,698	64	37,139	25,919	70	43,079	29,247	68
Bureau of the Census	355	256	72	349	251	72	355	256	72
National Institute of Standards & Technology	33,018	21,151	64	36,322	25,250	70	42,349	28,666	68
National Oceanic & Atmospheric Administration	340	291	86	468	418	89	375	325	87
Department of Defense, total	324,711	132,147	41	320,924	140,808	44	315,416	138,427	44
Department of the Army	126,459	59,771	47	128,936	70,692	55	128,094	70,229	55
Department of the Navy	138,554	60,853	44	137,707	60,481	44	140,457	61,689	44
Department of the Air Force	48,092	5,048	10	46,339	5,274	11	45,411	5,523	12
Defense agencies, total	11,606	6,475	56	7,942	4,361	55	1,454	986	68
Advanced Rsch Projects Agency	4,665	3,499	75	2,796	2,097	75	482	361	75
Uniformed Svcs University of the Health Sciences	3,498	770	22	856	1	*	0	0	0
Washington Headquarters Svcs	3,443	2,206	64	4,290	2,263	53	972	625	64
Department of Education	203	179	88	480	380	79	454	350	77
Department of Energy	59,668	21,151	35	62,058	25,012	40	52,615	22,769	43
Dept of Health & Human Svcs, total	919,603	305,628	33	966,168	320,863	33	1,010,166	395,323	39
Health Resources & Svcs Admin	1,107	1,107	100	803	803	100	1,022	1,022	100
National Institutes of Health	918,496	304,521	33	965,365	320,060	33	1,009,144	394,301	39
Department of the Interior, total	196,863	130,602	66	194,239	127,356	66	172,119	118,350	69
Bureau of Land Management	50	50	100	0	0	0	0	0	0
Bureau of Mines	27,105	20,689	76	28,104	21,283	76	22,348	17,456	78
Geological Survey	166,069	106,284	64	157,722	99,365	63	140,295	93,335	67
National Biological Survey	0	0	0	8,023	6,418	80	9,086	7,269	80
National Park Service	400	340	85	390	290	74	390	290	74
US Fish & Wildlife Service	3,239	3,239	100	0	0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-86. Federal obligations for total basic research to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Page 2 of 2

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of Justice, total	$652	$163	25	$800	$200	25	$600	$150	25
Office of Justice Programs	652	163	25	800	200	25	600	150	25
Department of Labor, total	1,023	88	9	1,638	106	6	2,304	271	12
Bureau of Labor Statistics	1,000	65	6	1,600	68	4	2,279	246	11
Employment & Training Admin	23	23	100	24	24	100	25	25	100
Pension Benefit Guaranty Corporation	0	0	0	14	14	100	0	0	0
Department of State	85	85	100	88	88	100	92	92	100
Department of Transportation, total	1	1	100	1	1	100	1	1	100
Federal Highway Administration	1	1	100	1	1	100	1	1	100
Department of the Treasury, total	4,342	3,860	89	9,631	8,511	88	11,455	10,183	89
Bureau of Engraving & Printing	0	0	0	66	7	11	0	0	0
Internal Revenue Service	4,342	3,860	89	9,565	8,504	89	11,455	10,183	89
Department of Veterans Affairs	13,339	8,937	67	14,328	9,599	67	10,550	7,068	67
Other agencies:									
Agency for International Dvlpmt	512	384	75	231	174	75	231	174	75
Environmental Protection Agency	19,963	19,963	100	20,632	20,632	100	24,500	24,500	100
Library of Congress	349	209	60	446	284	64	475	348	73
National Aeronautics & Space Admin	493,224	265,024	54	556,383	273,535	49	498,191	257,811	52
National Archives & Records Admin	150	1	1	0	0	0	0	0	0
National Science Foundation	17,742	12,425	70	17,301	12,107	70	19,361	13,556	70
Smithsonian Institution	102,000	66,000	65	104,000	68,000	65	106,000	69,000	65
Tennessee Valley Authority	9,870	6,317	64	10,590	6,460	61	11,790	7,192	61

[1] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

NOTES: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-87. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Page 1 of 3

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	$4,754,951	$2,645,230	56	$4,905,108	$2,636,878	54	$4,880,459	$2,799,327	57
Departments:									
Department of Agriculture, total	388,626	251,425	65	404,313	264,412	65	427,008	280,670	66
Agricultural Cooperative Service	2,605	2,255	87	2,412	2,412	100	3,560	3,204	90
Agricultural Marketing Service[1]	3,915	1,843	47	4,241	2,120	50	4,174	2,089	50
Agricultural Research Service	221,748	126,175	57	233,091	132,163	57	239,507	134,363	56
Cooperative State Research Svc	11,965	5,672	47	12,324	6,121	50	10,957	5,825	53
Economic Research Service	46,804	36,572	78	44,366	36,696	83	43,094	36,345	84
Federal Grain Inspection Service	1,773	355	20	1,791	360	20	1,791	360	20
Forest Service	89,942	71,118	79	96,624	76,680	79	108,125	90,675	84
Foreign Agricultural Service[2]	0	0	0	88	88	100	89	89	100
Human Nutrition Information Svc	7,281	5,455	75	7,195	5,811	81	13,503	5,903	44
Nat'l Agricultural Statistics Svc	2,327	1,883	81	2,181	1,961	90	2,208	1,817	82
Office of International Cooperation & Development[2]	266	97	36	0	0	0	0	0	0
Department of Commerce, total	429,148	277,882	65	476,927	310,236	65	554,380	445,187	80
Bureau of the Census	2,948	2,123	72	2,904	2,091	72	2,958	2,130	72
Economic Development Admin	0	0	0	100	5	5	100	5	5
National Institute of Standards & Technology	108,016	75,203	70	137,051	89,777	66	155,726	101,922	65
National Oceanic & Atmospheric Administration	314,017	196,389	63	332,317	213,808	64	391,129	336,663	86
National Telecommunications & Information Administration	4,167	4,167	100	4,555	4,555	100	4,467	4,467	100
Department of Defense, total	1,326,077	841,888	63	1,092,641	719,066	66	1,029,243	711,540	69
Department of the Army	496,376	371,042	75	423,513	295,849	70	377,685	268,184	71
Department of the Navy	310,244	179,848	58	212,014	122,905	58	249,111	144,410	58
Department of the Air Force	256,324	225,821	88	273,332	232,361	85	262,540	262,540	100
Defense agencies, total	263,133	65,177	25	183,782	67,951	37	139,907	36,406	26
Advanced Rsch Projects Agency	42,715	32,036	75	61,452	46,089	75	31,425	23,569	75
Ballistic Missile Defense Organization	22,260	375	2	11,156	435	4	17,831	800	4
Defense Info Systems Agency	0	0	0	1,662	224	13	1,870	305	16
Defense Nuclear Agency	128,575	12,858	10	48,919	4,892	10	42,017	4,202	10
Special Operations Command	39,434	652	2	32,771	418	1	31,952	900	3
Washington Headquarters Svcs	30,149	19,256	64	27,822	15,893	57	14,812	6,630	45
Department of Education	7,300	5,872	80	7,878	6,396	81	7,941	6,361	80
Department of Energy	166,955	44,082	26	221,090	44,733	20	250,801	52,993	21

See explanatory information, if any, and SOURCE at end of table.

Table C-87. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs, total	$853,330	$365,123	43	$931,381	$418,114	45	$955,091	$450,710	47
Administration on Aging[3]	153	113	74	171	115	67	171	115	67
Admin for Children & Families[3]	398	398	100	390	390	100	390	390	100
Agency for Health Care Policy & Research[4]	20,762	4,254	20	22,994	3,204	14	17,910	13,047	73
Centers for Disease Control	100,742	80,594	80	137,719	110,175	80	137,119	109,695	80
Food & Drug Administration	140,880	119,748	85	152,061	138,261	91	152,365	129,510	85
Health Care Financing Admin	1,342	10	1	889	10	1	1,080	10	1
Health Resources & Svcs Admin	1,852	1,422	77	1,557	1,127	72	1,787	1,357	76
National Institutes of Health	567,995	140,626	25	597,100	147,832	25	627,769	182,086	29
Office of the Secretary	2,144	896	42	3,000	1,500	50	4,000	2,000	50
Social Security Administration	17,062	17,062	100	15,500	15,500	100	12,500	12,500	100
Department of Housing & Urban Dvlpmt	6,898	5,000	72	9,406	7,000	74	9,836	7,000	71
Department of the Interior, total	297,708	203,377	68	317,724	219,320	69	350,801	249,655	71
Bureau of Land Management	4,714	1,300	28	0	0	0	0	0	0
Bureau of Mines	50,246	38,887	77	51,717	38,951	75	50,806	39,684	78
Bureau of Reclamation	6,500	3,185	49	6,384	3,830	60	3,919	2,351	60
Geological Survey	153,039	97,945	64	164,814	103,833	63	190,427	126,271	66
Minerals Management Service	2,260	776	34	2,145	818	38	2,221	851	38
National Biological Survey	0	0	0	81,234	64,988	80	91,998	73,598	80
National Park Service	20,665	9,452	46	11,430	6,900	60	11,430	6,900	60
Office of the Secretary	50	30	60	0	0	0	0	0	0
Office of Surface Mining Reclamation & Enforcement	1	1	100	0	0	0	0	0	0
US Fish & Wildlife Service	60,233	51,801	86	0	0	0	0	0	0
Department of Justice, total	2,040	1,561	77	2,362	1,675	71	3,062	1,802	59
Bureau of Prisons[5]	1,960	1,500	77	2,000	1,500	75	1,950	1,440	74
Drug Enforcement Administration	15	15	100	72	72	100	72	72	100
Immigration & Naturalization Svc	40	40	100	40	40	100	40	40	100
Office of Justice Programs	25	6	24	250	63	25	1,000	250	25
Department of Labor, total	6,001	5,408	90	6,404	5,623	88	6,845	5,840	85
Bureau of Labor Statistics	1,500	1,100	73	1,500	1,181	79	1,500	1,200	80
Employment & Training Admin	594	460	77	654	482	74	955	500	52
Occupational Safety & Health Administration	1,166	1,166	100	1,239	1,239	100	1,402	1,402	100
Office of the Secretary	1,800	1,786	99	2,087	1,797	86	2,069	1,819	88
Pension Benefit Guaranty Corporation	231	186	81	194	194	100	99	99	100
Pension & Welfare Benefit Admin	710	710	100	730	730	100	820	820	100
Department of State	349	349	100	363	363	100	377	377	100
Department of Transportation, total	60,356	27,484	46	58,373	27,185	47	64,733	31,705	49
Coast Guard	5,579	2,322	42	4,016	2,389	59	3,425	2,987	87
Federal Aviation Administration	21,764	16,651	77	21,794	15,804	73	20,191	17,700	88
Federal Highway Administration	6,662	1,212	18	9,136	1,827	20	17,653	3,722	21
Federal Railroad Administration	8,563	1,319	15	8,571	1,550	18	8,570	1,565	18
Federal Transit Administration[6]	1	1	100	1	1	100	1	1	100
Maritime Administration	951	741	78	955	745	78	1,378	778	56
National Highway Traffic Safety Administration	16,581	4,983	30	12,892	4,217	33	12,538	4,145	33
Office of the Secretary	137	137	100	140	140	100	144	144	100
Research & Special Programs Administration	118	118	100	868	512	59	833	663	80

See explanatory information, if any, and SOURCE at end of table

Table C-87. Federal obligations for total applied research to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Page 3 of 3

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total	Total	Personnel costs	Per-cent of total
Department of the Treasury, total	$4,149	$1,056	25	$4,912	$824	17	$2,675	$836	31
Bureau of Engraving & Printing	3,100	196	6	4,063	95	2	1,771	62	4
Office of Thrift Supervision[7]	738	549	74	448	328	73	491	361	74
United States Customs Service	75	75	100	150	150	100	150	150	100
United States Secret Service[8]	236	236	100	251	251	100	263	263	100
Department of Veterans Affairs	193,109	130,033	67	209,272	140,212	67	174,260	116,754	67
Other agencies:									
Advisory Commission on Intergovernmental Relations	2,098	740	35	1,175	598	51	1,575	1,102	70
Agency for International Dvlpmt	173,116	129,837	75	108,413	81,310	75	98,989	55,434	56
Appalachian Regional Commission	370	370	100	100	100	100	100	100	100
Consumer Product Safety Commission	775	225	29	105	100	95	0	0	0
Environmental Protection Agency	60,999	58,899	97	63,044	63,044	100	68,055	68,055	100
Federal Communications Commission	1,625	1,625	100	1,735	1,735	100	2,231	2,231	100
Federal Trade Commission	877	649	74	884	660	75	934	684	73
Library of Congress	1,438	977	68	1,565	1,065	68	1,593	1,045	66
National Aeronautics & Space Admin	718,691	257,449	36	931,269	288,572	31	815,607	273,856	34
National Archives & Records Admin	140	120	86	120	120	100	120	120	100
National Science Foundation	576	398	69	982	691	70	1,111	774	70
Nuclear Regulatory Commission	23,304	19,641	84	22,724	19,440	86	23,221	19,996	86
Tennessee Valley Authority	15,140	6,964	46	15,980	6,871	43	16,880	7,258	43
US Arms Control & Disarmament Agcy	479	71	15	573	63	11	296	50	17
United States Information Agency	1,125	5	*	698	5	1	183	5	3
US International Trade Commission	12,152	6,720	55	12,695	7,345	58	12,511	7,187	57

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] Formerly listed as Federal Prison System.

[6] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[7] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[8] Formerly listed as Office of Protective Research.

NOTES: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-88. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Page 1 of 3

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Total, all agencies	$9,196,162	$3,747,346	41	$9,590,837	$4,161,934	43	$9,123,966	$3,812,050	42
Departments:									
Department of Agriculture, total	71,772	46,039	64	75,469	48,270	64	77,179	49,216	64
Agricultural Marketing Service[1]	600	406	68	614	435	71	611	431	71
Agricultural Research Service	50,352	28,650	57	53,192	30,160	57	54,659	30,664	56
Animal & Plant Health Inspection Service	15,320	13,355	87	15,863	13,777	87	15,509	13,501	87
Forest Service	5,500	3,628	66	5,800	3,898	67	6,400	4,620	72
Department of Commerce, total	37,006	23,728	64	49,520	25,581	52	64,096	28,253	44
Bureau of the Census	2,096	1,509	72	2,124	1,529	72	2,251	1,621	72
National Institute of Standards & Technology	10,104	8,225	81	24,435	9,819	40	36,341	11,148	31
National Oceanic & Atmospheric Administration	24,806	13,994	56	22,961	14,233	62	25,504	15,484	61
Department of Defense, total	7,091,552	2,618,532	37	7,392,178	3,017,782	41	6,815,409	2,604,369	38
Department of the Army	2,100,582	1,062,833	51	2,041,243	1,053,258	52	1,967,710	1,015,447	52
Department of the Navy	2,797,203	1,027,692	37	2,825,794	1,038,197	37	2,726,232	1,001,618	37
Department of the Air Force	604,891	89,903	15	684,042	121,564	18	674,180	109,619	16
Defense agencies, total	1,452,700	433,483	30	1,746,551	801,408	46	1,362,869	474,720	35
Advanced Rsch Projects Agency	125,457	94,093	75	513,980	385,485	75	222,328	166,746	75
Ballistic Missile Defense Organization	677,635	10,640	2	511,796	12,456	2	603,688	22,838	4
Defense Info Systems Agency	13,169	6,604	50	13,968	11,972	86	13,613	12,853	94
Defense Logistics Agency	6,260	6,260	100	9,929	9,929	100	24,349	24,349	100
Defense Mapping Agency	3,325	1,859	56	3,025	1,691	56	4,328	2,419	56
Defense Nuclear Agency	25,881	2,588	10	14,711	1,471	10	10,430	1,043	10
Joint Staff[2]	26,018	1	*	25,780	1	*	4,874	1	*
Special Operations Command	37,791	4,409	12	48,814	5,100	10	33,822	4,620	14
Washington Headquarters Svcs	537,164	307,029	57	604,548	373,303	62	445,437	239,851	54
Operational Test & Evaluation, Director	1,383	186	13	350	250	71	1,601	260	16
Test & Evaluation, Deputy Under Secretary Defense	134,793	4,435	3	94,198	3,105	3	82,817	2,705	3
Department of Education	2,465	2,128	86	2,439	2,117	87	2,125	1,811	85
Department of Energy	290,361	131,523	45	343,046	132,356	39	374,285	129,740	35

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Dept of Health & Human Svcs, total	$259,586	$70,484	27	$289,711	$79,375	27	$302,676	$88,322	29
Administration on Aging[3]	614	451	73	683	462	68	683	462	68
Admin for Children & Families[3]	34	34	100	11	11	100	11	11	100
Agency for Health Care Policy & Research[4]	9,184	9,184	100	11,296	11,296	100	8,653	8,653	100
National Institutes of Health	249,641	60,702	24	277,621	67,506	24	292,731	78,598	27
Office of the Assistant Secretary for Health	113	113	100	100	100	100	98	98	100
Social Security Administration	0	0	0	0	0	0	500	500	100
Department of Housing & Urban Dvlpmt	8,937	6,700	75	10,227	8,000	78	10,405	8,000	77
Department of the Interior, total	27,270	23,868	88	35,083	26,860	77	36,146	26,146	72
Bureau of Land Management	500	200	40	0	0	0	0	0	0
Bureau of Mines	5,577	4,660	84	6,015	4,922	82	4,501	3,516	78
Bureau of Reclamation	2,100	840	40	2,128	532	25	1,306	522	40
Geological Survey	3,715	2,800	75	3,475	2,635	76	2,895	2,895	100
National Biological Survey	0	0	0	23,415	18,731	80	27,419	19,193	70
Office of the Secretary	50	40	80	50	40	80	25	20	80
US Fish & Wildlife Service	15,328	15,328	100	0	0	0	0	0	0
Department of Justice, total	12,246	5,518	45	12,599	5,571	44	12,147	5,614	46
Bureau of Prisons[5]	560	400	71	500	350	70	450	340	76
Drug Enforcement Administration	77	77	100	78	78	100	78	78	100
Federal Bureau of Investigation	11,309	4,966	44	11,521	5,018	44	11,119	5,071	46
Office of Justice Programs	300	75	25	500	125	25	500	125	25
Department of Labor, total	9,006	1,354	15	2,580	1,430	55	3,390	1,565	46
Employment & Training Admin	8,329	1,127	14	2,104	1,182	56	2,599	1,225	47
Office of the Secretary	557	107	19	351	123	35	594	143	24
Pension Benefit Guaranty Corporation	120	120	100	125	125	100	197	197	100
Department of Transportation, total	143,712	72,838	51	118,719	75,016	63	95,381	70,094	73
Coast Guard	17,802	5,564	31	12,876	4,969	39	10,977	4,016	37
Federal Aviation Administration	114,863	62,991	55	90,931	65,178	72	63,980	59,741	93
Federal Highway Administration	5,352	1,141	21	7,220	1,444	20	13,744	2,885	21
Federal Railroad Administration	2,141	330	15	2,143	388	18	2,142	391	18
Federal Transit Administration[6]	1	1	100	1	1	100	1	1	100
Office of the Secretary	3,351	2,609	78	3,437	1,790	52	3,017	1,852	61
Research & Special Programs Administration	202	202	100	2,111	1,246	59	1,520	1,208	79

See explanatory information, if any, and SOURCE at end of table.

Table C-88. Federal obligations for total development to intramural performers for personnel costs, by agency: fiscal years 1993, 1994, and 1995

[In thousands of dollars and percentages]

Page 3 of 3

Agency and subdivision	1993			Estimates					
				1994			1995		
	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total	Total	Personnel costs	Percent of total
Department of the Treasury, total	$2,641	$1,737	66	$3,138	$1,901	61	$3,269	$1,996	61
Financial Crimes Enforcement Network	1,519	615	40	1,875	638	34	1,932	659	34
United States Customs Service	1,100	1,100	100	1,200	1,200	100	1,300	1,300	100
United States Mint	22	22	100	63	63	100	37	37	100
Department of Veterans Affairs	27,304	18,294	67	29,342	19,659	67	24,120	16,160	67
Other agencies:									
Agency for International Dvlpmt	9,448	7,086	75	5,236	3,927	75	6,285	3,520	56
Consumer Product Safety Commission	315	315	100	230	120	52	175	175	100
Environmental Protection Agency	29,945	28,914	97	32,095	31,261	97	43,555	43,369	100
Library of Congress	8,680	5,794	67	8,601	5,750	67	8,455	5,574	66
National Aeronautics & Space Admin	1,083,255	658,275	61	1,105,857	657,519	59	1,166,796	707,827	61
National Archives & Records Admin	30	30	100	0	0	0	0	0	0
Tennessee Valley Authority	80,631	24,189	30	74,767	19,439	26	78,072	20,299	26

[1] Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] The name of this agency was changed from Joint Chiefs of Staff to Joint Staff in fiscal year 1986.

[3] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[4] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[5] Formerly listed as Federal Prison System.

[6] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

NOTES: Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

Increases in personnel costs are due to more complete reporting according to the National Science Foundation's definition of R&D, and not to actual increases in personnel costs.

Because of rounding, detail may not add to totals.

KEY: * = Percentage less than .05%

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-89. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	18,297.1	19,550.8	21,020.9	22,882.9	25,127.9	27,041.0	30,635.8	34,065.9	35,766.8	37,959.4	41,330.1
Departments:											
Dept of Agriculture, total	381.5	425.6	468.8	537.8	572.4	630.5	687.6	782.5	828.4	858.8	893.5
Agricultural Coop Svc[1]	1.2	1.2	1.4	.0	.0	.0	1.6	1.3	1.7	2.1	2.2
Agricultural Marketing Svc[2]	NA	NA	NA	NA	NA	.9	1.3	1.2	1.5	.6	1.7
Agricultural Research Svc[3]	210.5	232.8	247.4	294.6	318.4	331.2	371.6	425.9	436.1	469.4	479.3
Cooperative State Rsch Svc[4]	85.2	95.6	104.2	120.2	134.9	156.6	174.2	199.0	219.8	220.4	239.5
Economics, Stat & Coop Svc[5]	NA	NA	NA	30.5	32.4	35.6	NA	NA	NA	NA	NA
Economic Research Service	18.1	22.2	23.6	NA	NA	NA	NA	38.0	37.0	36.8	40.9
Economics & Statistics Svc[6]	NA	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA
Forest Service	65.6	72.5	90.3	92.5	86.7	105.7	100.6	101.8	116.0	111.1	109.2
Human Nutrition Info Svc	NA	NA	NA	NA	NA	NA	NA	.0	3.8	5.8	7.9
National Agricultural Library	.2	.1	-	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	.6	1.2	2.0	NA	NA	NA	NA	7.5	7.0	7.6	8.2
Office of International Cooperation & Development[7]	NA	NA	NA	NA	NA	.0	6.4	6.9	4.6	4.1	3.6
Office of Transportation[2]	NA	NA	NA	NA	NA	.5	.8	.9	.9	.8	1.0
Department of Commerce, total	188.2	224.6	233.3	238.2	272.7	307.1	360.6	346.8	286.5	335.2	336.3
National Institute of Standards & Technology	42.5	47.2	49.1	53.1	59.0	64.8	77.1	84.4	87.6	94.0	103.3
National Oceanic & Atmospheric Administration	109.5	127.7	134.5	132.6	164.7	190.1	210.6	209.0	174.1	222.0	214.7
Other Commerce[8]	36.3	49.7	49.8	52.5	48.9	52.2	72.9	53.5	24.8	19.2	18.2
Department of Defense, total	8,979.7	9,363.5	9,445.5	10,308.0	10,935.4	11,733.1	13,706.1	15,993.0	18,482.9	21,373.5	22,999.4
Department of the Army	2,308.6	2,083.0	1,969.6	2,195.0	2,464.3	2,536.2	2,852.9	3,123.7	3,414.4	3,848.5	4,017.4
Department of the Navy	2,715.8	3,126.3	3,320.1	3,582.6	3,919.4	3,926.4	4,507.9	4,916.9	5,394.7	6,023.5	6,859.8
Department of the Air Force	3,442.3	3,567.6	3,625.2	3,902.2	3,969.9	4,428.0	5,323.6	6,756.6	8,209.1	9,640.9	10,849.7
Defense agencies	485.2	556.9	507.5	610.5	555.1	814.2	981.4	1,160.0	1,420.0	1,817.3	1,217.8
Defense Civil Preparedness Agency	2.3	3.0	2.2	1.2	2.9	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary Defense	25.5	26.8	20.9	16.5	23.9	28.3	40.4	35.7	44.8	43.3	54.7
Department of Education	NA	NA	NA	NA	NA	136.5	120.9	111.8	150.1	111.5	181.3
Department of Energy[9,10]	NA	NA	NA	3,593.1	4,413.0	4,956.8	5,660.2	6,125.9	5,785.4	5,641.9	5,656.4

See explanatory information, if any, and SOURCE at end of table.

Table C-89. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Health, Education, & Welfare, total	1,960.6	2,168.2	2,615.0	2,622.2	3,070.2	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	127.3	114.1	145.1	167.2	179.9	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	96.9	82.8	69.8	59.7	74.8	NA	NA	NA	NA	NA	NA
National Institutes of Health	1,435.4	1,684.4	2,118.4	2,105.0	2,507.1	NA	NA	NA	NA	NA	NA
Office of Education	66.3	53.1	56.8	30.3	25.8	NA	NA	NA	NA	NA	NA
Other HEW	234.6	233.8	225.0	260.1	282.6	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	NA	3,172.7	3,554.1	3,997.5	4,052.1	4,118.6	4,484.9
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	184.7	218.1	251.1	292.0	289.8	276.1
Nat'l Institutes of Health[11]	NA	NA	NA	NA	NA	2,713.4	3,029.3	3,392.2	3,475.0	3,562.9	3,981.1
Other HHS[12,13]	NA	NA	NA	NA	NA	274.5	306.8	354.3	285.0	265.8	227.7
Department of Housing & Urban Development	58.4	58.7	60.3	69.0	59.3	74.3	65.8	54.1	37.0	30.9	24.9
Dept of the Interior, total	194.8	266.0	319.7	304.0	339.9	404.3	431.5	436.9	394.9	412.7	435.9
Bureau of Mines	66.7	82.7	113.7	103.7	104.2	121.4	130.8	109.0	105.2	102.0	111.4
Geological Survey[14]	68.7	95.2	115.7	112.2	128.7	144.2	145.2	168.2	150.1	171.4	228.4
Other Interior[9]	59.4	88.1	90.4	88.1	107.0	138.7	155.5	159.7	139.7	139.3	96.1
Department of Justice, total	40.5	43.8	39.9	33.7	33.5	45.9	45.3	26.1	36.6	27.6	26.5
Office of Justice Programs	34.5	39.2	35.2	27.6	27.1	35.5	35.1	19.2	30.4	21.1	19.6
Other Justice[15]	6.0	4.6	4.7	6.2	6.3	10.4	10.2	6.9	6.2	6.5	6.9
Department of Labor[16]	22.5	25.4	27.8	28.1	97.6	109.2	137.7	61.6	29.4	16.8	14.1
Department of State, total	24.8	28.6	27.0	44.1	57.5	3.2	2.2	1.8	1.5	1.5	1.6
Agcy for Internat'l Dvlpmt[17]	23.2	27.4	25.4	41.8	54.6	NA	NA	NA	NA	NA	NA
Other State	1.6	1.2	1.6	2.3	2.8	3.2	2.2	1.8	0	0	0
Dept of Transportation, total	363.7	339.2	335.7	363.5	377.3	372.4	391.0	432.1	360.0	282.3	357.5
Federal Aviation Admin	115.8	113.7	114.6	102.8	100.2	111.4	109.7	125.9	110.9	99.5	167.5
Federal Highway Admin	33.5	26.8	42.9	53.0	52.9	48.9	53.4	59.1	42.5	32.5	51.1
Federal Railroad Admin	38.3	51.1	48.5	57.3	62.4	58.0	63.5	55.0	25.6	18.5	14.7
Federal Transit Admin[18]	57.8	60.9	48.2	52.1	52.5	50.5	58.9	61.9	69.8	36.5	31.2
National Highway Traffic Safety Administration	44.4	36.2	33.8	49.5	68.5	53.6	60.3	60.8	60.2	51.1	53.2
Other Transportation[8]	73.9	50.6	47.7	48.8	40.8	49.9	45.2	69.4	51.0	44.2	39.8
Dept of the Treasury[19,20]	1.1	1.7	3.8	5.0	9.9	9.6	10.9	10.8	13.6	15.6	13.6
Department of Veterans Affairs	85.7	97.0	109.5	112.8	123.9	123.1	138.6	144.3	140.7	164.7	193.6

See explanatory information, if any, and SOURCE at end of table

Table C-89. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 3 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Other agencies:											
Agcy for Internat'l Dvlpmt[17]	NA	NA	NA	NA	NA	80.3	114.3	166.1	188.6	225.2	207.2
Energy Rsch & Dvlpmt Admin[10]	1,825.0	2,246.6	2,553.7	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	172.2	218.6	265.6	283.0	312.5	388.9	384.7	344.3	336.2	312.5	266.1
Nat'l Aeronautics & Space Admin	3,256.2	3,266.5	3,669.0	3,449.1	3,432.1	3,395.2	3,605.7	3,705.5	3,252.9	2,646.2	3,730.6
National Science Foundation	584.7	600.4	669.1	674.7	738.6	804.6	848.2	905.0	1,015.1	994.7	1,151.0
Nuclear Regulatory Commission	46.1	58.5	76.9	107.8	131.7	145.4	182.8	216.0	208.6	244.0	198.6
All other agencies[21 22]	111.3	117.9	100.0	109.0	150.5	148.1	187.5	203.7	166.2	145.3	157.3

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[6] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[7] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[8] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[12] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[13] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[14] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[15] The Bureau of Prisons was formerly listed as Federal Prison System.

[16] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[17] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[18] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[19] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[20] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-89a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	45,860.3	52,090.3	53,214.2	56,556.6	61,476.4	64,151.1	63,676.4	65,719.0	68,385.8	69,436.5	70,491.1
Departments											
Dept of Agriculture, total	923.2	953.0	994.0	1,049.7	1,129.8	1,196.7	1,269.4	1,382.8	1,453.4	1,503.3	1,541.6
Agricultural Coop Svc[1]	2.9	2.6	2.8	2.7	2.8	2.7	2.8	3.4	2.9	2.4	3.6
Agricultural Marketing Svc[2]	1.3	1.7	1.4	1.6	1.5	2.7	3.7	4.3	4.7	4.4	4.8
Agricultural Research Svc[3]	492.9	500.5	526.5	540.4	579.7	603.4	622.9	686.5	732.6	721.2	752.5
Animal & Plant Health Inspection Service	.0	4.2	4.9	6.2	7.7	14.0	15.7	16.7	17.1	20.3	17.3
Cooperative State Rsch Svc[4]	243.6	256.5	274.1	294.8	336.9	361.9	395.6	415.1	433.2	487.0	474.1
Economic Research Service	45.1	46.0	43.2	47.2	50.0	50.7	53.0	57.5	61.5	55.0	53.1
Federal Grain Inspection Svc	.9	1.0	1.2	1.0	1.1	.6	.7	1.8	1.8	1.8	1.8
Foreign Agricultural Svc[5]	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4
Forest Service	113.8	113.5	120.7	138.0	136.4	144.5	159.8	182.0	185.8	195.4	212.9
Human Nutrition Info Svc	7.2	10.6	9.6	8.2	8.4	9.0	8.9	9.7	7.3	10.8	16.7
Nat'l Agricultural Stat Svc	8.4	8.0	3.5	3.6	2.8	2.7	3.2	3.5	3.9	3.5	3.5
Office of International Cooperation & Development[5]	5.8	7.5	5.1	5.0	2.5	4.3	3.1	2.4	2.6	.0	.0
Office of Transportation[2]	1.3	1.0	1.0	1.1	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	377.8	380.1	311.1	389.4	403.2	441.5	500.7	643.4	652.0	872.5	959.3
National Institute of Standards & Technology	106.5	109.2	102.1	111.4	121.5	120.3	144.1	160.6	189.8	301.4	437.3
National Oceanic & Atmospheric Administration	249.1	248.7	189.2	263.5	269.1	306.7	345.3	472.2	452.4	560.5	511.3
Other Commerce[6]	22.2	22.1	19.8	14.5	12.6	14.4	11.2	10.6	9.9	10.6	10.6
Department of Defense, total	27,143.7	32,491.1	33,611.8	34,573.0	36,869.1	37,140.0	33,447.2	34,631.7	34,525.9	34,052.2	34,148.8
Department of the Army	4,230.0	4,278.5	5,009.7	4,899.6	5,241.3	5,797.1	5,724.5	6,295.2	6,125.3	5,669.5	5,336.7
Department of the Navy	8,304.9	9,939.8	9,422.1	9,081.9	9,559.5	9,453.5	7,902.0	8,115.0	9,187.5	8,876.5	9,040.7
Department of the Air Force	12,263.7	14,133.1	14,101.0	14,774.5	15,390.5	14,888.1	13,043.8	12,532.3	12,287.9	11,707.0	11,793.6
Defense agencies	2,290.0	4,068.2	4,995.8	5,690.3	6,501.3	6,853.6	6,685.3	7,450.3	6,689.7	7,550.3	7,723.1
Operational Test & Evaluation, Director	NA	.0	4.4	7.2	31.6	32.0	22.3	9.4	12.3	11.5	12.5
Test & Evaluation, Deputy Under Secretary Defense	55.1	71.6	78.8	119.6	145.0	115.8	69.4	229.4	223.2	237.3	242.3
Department of Education	95.7	125.3	138.3	142.9	155.7	150.7	117.2	135.5	186.7	185.7	180.8
Department of Energy[7, 8]	5,803.0	5,381.7	5,432.7	5,743.7	6,039.0	6,365.3	6,827.1	7,232.7	7,668.3	7,253.1	7,517.8

See explanatory information, if any, and SOURCE at end of table.

Table C-89a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of Health & Human Services, total	5,049.6	5,531.4	5,751.0	6,923.2	7,773.4	8,363.8	9,822.1	9,091.5	10,475.2	11,359.9	11,635.0
Alcohol, Drug Abuse, & Mental Health Administration	349.8	396.6	476.1	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA
Nat'l Institutes of Health[9]	4,446.3	4,867.2	4,985.2	6,060.2	6,699.0	7,181.1	7,890.4	8,491.4	9,893.3	10,692.0	10,977.5
Other HHS[10,11]	253.4	267.6	289.6	308.2	378.7	340.1	471.1	600.2	581.9	667.8	657.5
Department of Housing & Urban Development	18.6	13.9	19.7	14.9	20.7	21.7	18.1	23.5	28.4	25.3	36.0
Dept of the Interior, total	417.0	445.4	394.7	419.6	485.3	503.0	556.2	628.4	651.8	683.0	685.5
Bureau of Mines	100.4	131.0	91.2	87.6	92.6	96.7	97.7	113.9	111.8	111.7	103.9
Geological Survey[12]	230.8	226.5	211.2	238.6	300.9	301.3	319.5	370.3	385.2	392.4	391.5
Other Interior[7]	85.8	87.9	92.4	93.4	91.7	105.0	139.0	144.2	154.8	178.9	190.2
Department of Justice, total	32.7	32.1	39.0	48.1	36.0	38.2	40.4	42.9	46.2	39.4	45.7
Office of Justice Programs	20.1	19.2	22.4	21.6	22.5	24.0	20.7	24.1	27.2	19.8	26.5
Other Justice[13]	12.6	13.0	16.6	26.5	13.4	14.2	19.7	18.7	19.0	19.6	19.1
Department of Labor[14]	13.7	10.9	20.3	31.8	28.9	45.2	45.6	70.8	57.8	60.5	63.3
Department of State, total	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	.6	.6
Dept of Transportation, total	430.2	445.2	347.7	332.1	291.5	287.3	361.0	411.1	455.3	608.4	686.5
Federal Aviation Admin	283.7	317.6	190.5	190.2	153.5	185.5	216.0	250.7	260.1	316.6	329.6
Federal Highway Admin	47.5	46.1	76.3	60.1	76.5	44.0	86.1	81.2	87.5	172.5	251.5
Federal Railroad Admin	16.2	15.4	10.9	10.6	7.0	7.0	14.3	21.5	22.8	33.3	22.4
Federal Transit Admin[15]	18.6	8.8	9.4	1.4	2.0	2.3	2.1	1.5	16.5	18.2	21.5
National Highway Traffic Safety Administration	28.0	19.1	28.9	45.2	28.5	16.9	19.2	24.5	28.3	26.9	25.8
Other Transportation[6]	36.2	38.2	31.8	24.7	23.9	31.6	23.2	31.7	40.1	40.9	35.6
Dept of the Treasury[16,17]	24.3	23.0	26.4	25.8	23.5	25.2	30.4	24.5	16.6	26.3	29.0
Department of Veterans Affairs	222.7	185.1	198.8	201.9	186.4	219.0	221.6	207.6	250.8	253.1	226.7

See explanatory information, if any, and SOURCE at end of table

Table C-89a. Federal outlays for research and development and for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 3 of 3

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Other agencies:											
Agcy for Internat'l Dvlpmt[18]	233.0	255.5	263.2	229.1	279.1	334.0	344.0	205.9	321.7	365.4	247.2
Environmental Protection Agency	274.8	306.9	325.9	340.0	343.2	388.5	400.1	411.9	497.7	561.7	615.6
Nat'l Aeronautics & Space Admin	3,217.1	3,730.6	3,564.3	4,230.4	5,506.1	6,762.2	7,675.0	8,386.6	8,885.4	9,032.3	9,325.0
National Science Foundation	1,250.0	1,468.1	1,459.9	1,550.7	1,613.4	1,563.0	1,687.1	1,813.6	1,841.7	2,192.0	2,177.7
Nuclear Regulatory Commission	161.1	136.0	124.4	113.5	113.2	111.5	107.5	116.5	119.6	115.8	112.9
All other agencies[19 20]	170.5	173.6	188.1	192.5	174.4	189.5	199.8	252.5	245.9	246.0	256.2

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[7] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[8] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[9] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[10] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[11] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[12] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey

[13] The Bureau of Prisons was formerly listed as Federal Prison System.

[14] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[15] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[16] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[17] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[18] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[19] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[20] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
— = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-90. Federal outlays for research and development, by agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	17,592.5	18,721.2	20,220.2	22,082.7	24,020.1	25,838.2	29,154.2	32,459.1	34,390.7	36,659.4	39,691.0
Departments											
Dept of Agriculture, total	375.6	417.7	460.0	515.3	553.8	608.7	659.8	743.4	807.2	826.0	864.3
Agricultural Coop Svc[1]	1.2	1.2	1.4	.0	.0	.0	1.6	1.3	1.7	2.1	2.2
Agricultural Marketing Svc[2]	NA	NA	NA	NA	NA	.9	1.3	1.2	1.5	.6	1.7
Agricultural Research Svc[3]	207.1	228.8	242.0	275.6	301.9	312.9	347.5	390.1	417.5	438.7	454.3
Cooperative State Rsch Svc[4]	85.0	95.5	104.2	120.1	134.9	156.6	174.2	199.0	219.8	219.6	235.7
Economics, Stat & Coop Svc[5]	NA	NA	NA	30.5	32.4	35.6	NA	NA	NA	NA	NA
Economic Research Service	18.1	22.2	23.6	NA	NA	NA	NA	38.0	37.0	36.8	40.9
Economics & Statistics Svc[6]	NA	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA
Forest Service	63.3	68.6	86.9	89.0	84.6	102.2	97.0	98.6	113.2	109.8	108.8
Human Nutrition Info Svc	NA	NA	NA	NA	NA	NA	NA	.0	3.8	5.8	7.9
National Agricultural Library	.2	.1	-	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	.6	1.2	2.0	NA	NA	NA	NA	7.5	7.0	7.6	8.2
Office of International Cooperation & Development[7]	NA	NA	NA	NA	NA	.0	6.4	6.9	4.6	4.1	3.6
Office of Transportation[2]	NA	NA	NA	NA	NA	.5	.8	.9	.9	.8	1.0
Department of Commerce, total	176.3	214.1	225.5	232.5	269.2	305.2	355.9	345.5	285.4	334.5	327.0
National Institute of Standards & Technology	40.7	45.3	48.0	52.6	58.1	63.4	76.8	83.9	86.6	93.3	94.1
National Oceanic & Atmospheric Administration	101.6	119.8	129.4	131.2	162.5	190.1	206.7	208.1	174.1	222.0	214.7
Other Commerce[8]	34.0	49.0	48.1	48.8	48.6	51.7	72.3	53.5	24.8	19.2	18.2
Department of Defense, total	8,814.9	9,210.6	9,301.3	10,182.4	10,622.8	11,497.3	13,501.4	15,754.5	18,251.2	21,105.8	22,619.3
Department of the Army	2,277.2	2,053.1	1,949.0	2,180.2	2,457.5	2,534.1	2,845.3	3,114.8	3,400.9	3,827.0	3,983.0
Department of the Navy	2,668.3	3,078.5	3,260.8	3,519.0	3,870.3	3,873.5	4,417.0	4,824.7	5,269.4	5,886.8	6,709.4
Department of the Air Force	3,374.1	3,513.1	3,568.1	3,862.2	3,719.8	4,263.1	5,220.6	6,626.6	8,141.4	9,537.2	10,658.5
Defense agencies	467.4	536.2	500.3	603.3	548.5	798.3	978.2	1,152.6	1,394.8	1,811.5	1,213.6
Defense Civil Preparedness Agency	2.3	3.0	2.2	1.2	2.9	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary Defense	25.5	26.8	20.9	16.5	23.9	28.3	40.4	35.7	44.8	43.3	54.7
Department of Education	NA	NA	NA	NA	NA	136.5	120.9	111.8	150.1	111.5	181.3
Department of Energy[9,10]	NA	NA	NA	3,166.0	3,931.7	4,303.3	4,697.5	5,041.4	4,842.1	4,817.5	4,740.3
Department of Health, Education, & Welfare, total	1,927.3	2,082.3	2,562.6	2,576.6	3,002.2	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	127.3	114.1	145.1	167.2	179.9	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	96.9	82.8	69.8	59.7	74.8	NA	NA	NA	NA	NA	NA
National Institutes of Health	1,407.6	1,602.8	2,066.5	2,063.7	2,440.3	NA	NA	NA	NA	NA	NA
Office of Education	62.8	53.1	56.8	30.3	25.8	NA	NA	NA	NA	NA	NA
Other HEW	232.8	229.5	224.5	255.8	281.4	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-90. Federal outlays for research and development, by agency: fiscal years 1974-84

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Health & Human Services, total	NA	NA	NA	NA	NA	3,099.3	3,477.2	3,954.9	4,015.3	4,092.0	4,450.3
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	184.4	217.9	250.9	291.7	288.8	272.0
Nat'l Institutes of Health[11]	NA	NA	NA	NA	NA	2,641.0	2,953.2	3,350.2	3,439.6	3,539.5	3,960.6
Other HHS[12 13]	NA	NA	NA	NA	NA	273.9	306.1	353.8	284.0	263.7	217.7
Department of Housing & Urban Development	58.4	58.7	60.3	69.0	59.3	74.3	65.8	54.1	37.0	30.9	24.9
Dept of the Interior, total	192.8	263.6	319.0	299.5	332.3	395.3	422.7	432.8	393.6	410.3	430.7
Bureau of Mines	66.7	82.7	113.7	100.7	104.1	117.1	128.4	106.9	105.0	101.9	111.3
Geological Survey[14]	68.3	95.2	115.7	112.2	128.7	144.2	145.2	168.2	150.1	169.9	227.2
Other Interior[9]	57.9	85.7	89.6	86.6	99.4	134.0	149.2	157.7	138.5	138.5	92.1
Department of Justice, total	40.5	43.8	39.9	33.7	33.5	45.9	45.3	26.1	36.6	27.6	26.5
Office of Justice Programs	34.5	39.2	35.2	27.6	27.1	35.5	35.1	19.2	30.4	21.1	19.6
Other Justice[15]	6.0	4.6	4.7	6.2	6.3	10.4	10.2	6.9	6.2	6.5	6.9
Department of Labor[16]	22.5	25.4	27.8	28.1	97.6	109.2	137.7	61.6	29.4	16.8	14.1
Department of State, total	24.5	28.4	25.9	40.1	57.4	3.2	2.2	1.8	1.5	1.5	1.6
Agcy for Internat'l Dvlpmt[17]	23.0	27.1	24.3	37.8	54.5	NA	NA	NA	NA	NA	NA
Other State	1.6	1.2	1.6	2.3	2.8	3.2	2.2	1.8	.0	.0	.0
Dept of Transportation, total	328.4	324.5	323.6	346.0	364.1	356.2	374.7	415.9	347.0	272.4	344.6
Federal Aviation Admin	115.2	110.9	112.7	99.8	99.2	101.9	104.2	119.8	106.6	90.3	155.1
Federal Highway Admin	33.1	26.4	42.5	52.6	52.5	48.7	53.1	56.3	42.5	32.5	51.1
Federal Railroad Admin	34.4	42.0	40.5	45.6	51.5	51.7	53.2	48.2	17.4	18.3	14.7
Federal Transit Admin[18]	54.1	59.1	46.9	50.4	52.5	50.5	58.9	61.9	69.8	36.5	31.2
National Highway Traffic Safety Administration	44.4	36.2	33.8	49.3	68.3	53.4	60.1	60.3	59.7	50.6	52.7
Other Transportation[8]	47.1	50.0	47.2	48.3	40.1	49.9	45.2	69.4	51.0	44.2	39.8
Dept of the Treasury[19 20]	1.1	1.7	3.7	4.9	9.9	9.5	10.9	10.8	13.6	15.5	13.5
Department of Veterans Affairs	80.4	94.8	97.7	106.9	114.3	120.3	134.4	137.8	137.7	154.1	189.0

See explanatory information, if any, and SOURCE at end of table.

Table C-90. Federal outlays for research and development, by agency: fiscal years 1974-84

[Dollars in millions]

Page 3 of 3

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Other agencies:											
Agcy for Internat'l Dvlpmt[17]	NA	NA	NA	NA	NA	75.8	107.8	159.9	178.3	212.8	195.8
Energy Rsch & Dvlpmt Admin[10]	1,488.9	1,835.4	2,189.5	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	161.3	207.2	259.0	281.3	310.3	386.5	384.7	344.3	336.2	312.5	266.1
Nat'l Aeronautics & Space Admin	3,181.1	3,181.2	3,548.1	3,344.2	3,307.9	3,262.5	3,465.4	3,558.6	3,140.7	2,538.0	3,538.7
National Science Foundation	570.7	571.3	619.0	649.6	700.5	775.2	830.6	892.3	1,013.6	991.8	1,108.0
Nuclear Regulatory Commission	42.3	55.8	73.3	101.7	125.4	137.5	175.4	208.7	208.6	244.0	198.6
All other agencies[21,22]	105.5	104.7	84.0	104.9	128.1	136.5	183.8	202.9	165.6	143.9	156.5

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

[6] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980.

[7] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[8] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[12] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[13] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[14] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[15] The Bureau of Prisons was formerly listed as Federal Prison System.

[16] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[17] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[18] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[19] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[20] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
= Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-90a. Federal outlays for research and development, by agency: fiscal years 1985-95

[Dollars in millions]

Page 1 of 3

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	44,171.4	50,609.1	51,611.7	54,739.4	59,450.4	62,135.3	61,130.4	62,934.5	65,241.3	66,404.1	67,843.1
Departments											
Dept of Agriculture, total	889.0	918.0	922.9	971.2	1,037.5	1,072.5	1,189.4	1,246.0	1,303.9	1,346.2	1,389.2
Agricultural Coop Svc[1]	2.9	2.6	2.8	2.7	2.8	2.7	2.8	3.4	2.9	2.4	3.6
Agricultural Marketing Svc[2]	1.3	1.7	1.4	1.6	1.5	2.7	3.7	4.3	4.7	4.4	4.8
Agricultural Research Svc[3]	466.2	468.1	463.2	482.1	528.0	548.1	573.5	617.1	643.4	630.3	658.9
Animal & Plant Health Inspection Service	0	4.2	4.9	5.6	7.4	8.0	15.7	16.7	17.1	17.7	17.3
Cooperative State Rsch Svc[4]	236.7	254.8	267.1	277.3	298.3	303.9	380.1	354.9	379.4	428.2	419.8
Economic Research Service	45.1	46.0	43.2	47.2	50.0	50.7	53.0	57.5	61.5	55.0	53.1
Federal Grain Inspection Svc	.9	1.0	1.2	1.0	1.1	.6	.7	1.8	1.8	1.8	1.8
Foreign Agricultural Svc[5]	0	0	0	0	.0	0	0	0	0	1.4	1.4
Forest Service	113.1	112.5	119.9	135.8	134.7	139.6	144.7	174.8	179.3	190.8	208.3
Human Nutrition Info Svc	7.2	10.6	9.6	8.2	8.4	9.0	8.9	9.7	7.3	10.8	16.7
Nat'l Agricultural Stat Svc	8.4	8.0	3.5	3.6	2.8	2.7	3.2	3.5	3.9	3.5	3.5
Office of International Cooperation & Development[5]	5.8	7.5	5.1	5.0	2.5	4.3	3.1	2.4	2.6	0	0
Office of Transportation[2]	1.3	1.0	1.0	1.1	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	373.6	372.6	307.0	378.6	394.0	426.8	485.1	622.1	629.6	847.2	933.1
National Institute of Standards & Technology	102.2	103.3	100.0	101.3	113.0	112.3	135.9	149.1	180.1	290.2	414.5
National Oceanic & Atmospheric Administration	249.1	247.2	187.1	263.0	268.6	300.1	338.0	462.4	439.5	546.5	508.0
Other Commerce[6]	22.2	22.1	19.8	14.2	12.4	14.4	11.2	10.6	9.9	10.6	10.6
Department of Defense, total	26,742.0	32,210.5	33,254.4	34,156.8	36,453.4	36,703.2	33,013.5	34,220.8	34,152.7	33,726.3	33,880.1
Department of the Army	4,176.6	4,223.5	4,949.0	4,837.8	5,201.6	5,750.2	5,659.5	6,273.2	6,118.3	5,655.5	5,306.7
Department of the Navy	8,161.1	9,809.1	9,357.1	9,003.1	9,475.0	9,352.3	7,815.0	8,004.0	9,114.0	8,794.7	9,015.5
Department of the Air Force	12,063.9	14,044.0	13,906.8	14,567.0	15,190.8	14,687.9	12,825.6	12,346.1	12,056.9	11,554.7	11,681.7
Defense agencies	2,285.2	4,062.4	4,958.4	5,622.1	6,409.5	6,765.0	6,621.8	7,358.7	6,628.0	7,472.6	7,621.5
Operational Test & Evaluation, Director	NA	0	4.4	7.2	31.6	32.0	22.3	9.4	12.3	11.5	12.5
Test & Evaluation, Deputy Under Secretary Defense	55.1	71.6	78.8	119.6	145.0	115.8	69.4	229.4	223.2	237.3	242.3
Department of Education	95.7	124.5	122.6	131.8	153.4	147.9	114.5	133.0	173.8	182.6	178.9
Department of Energy[7, 8]	4,947.7	4,655.8	4,711.3	4,964.7	5,200.6	5,508.4	5,727.2	6,034.7	6,185.1	6,214.6	6,501.8

See explanatory information, if any, and SOURCE at end of table

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Table C-90a. Federal outlays for research and development, by agency: fiscal years 1985-95

[Dollars in millions]

Page 2 of 3

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of Health & Human Services, total	5,007.0	5,498.7	5,719.5	6,892.5	7,717.4	8,308.7	9,627.3	8,994.8	10,325.9	10,981.6	11,498.9
Alcohol, Drug Abuse, & Mental Health Administration	348.4	396.1	475.5	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA
Nat'l Institutes of Health[9]	4,420.1	4,845.0	4,956.2	6,031.2	6,645.0	7,127.0	7,714.0	8,409.2	9,765.1	10,341.9	10,851.3
Other HHS[10, 11]	238.4	257.6	287.7	306.5	376.7	339.1	452.7	585.6	560.8	639.7	647.6
Department of Housing & Urban Development	18.6	13.9	19.7	14.9	20.7	21.7	18.1	23.5	28.4	25.3	36.0
Dept of the Interior, total	412.8	439.3	390.0	414.6	478.4	492.5	535.6	610.6	631.0	655.2	659.7
Bureau of Mines	100.4	131.0	91.2	87.6	90.6	93.6	96.3	113.9	111.8	111.7	103.9
Geological Survey[12]	229.9	225.6	210.4	237.9	299.5	300.0	316.6	365.9	381.2	383.0	383.2
Other Interior[7]	82.5	82.7	88.4	89.1	88.3	98.8	122.7	130.7	138.1	160.5	172.6
Department of Justice, total	32.7	32.1	38.7	48.1	36.0	38.2	40.4	42.9	46.2	39.4	45.7
Office of Justice Programs	20.1	19.2	22.4	21.6	22.5	24.0	20.7	24.1	27.2	19.8	26.5
Other Justice[13]	12.6	13.0	16.3	26.5	13.4	14.2	19.7	18.7	19.0	19.6	19.1
Department of Labor[14]	13.7	10.9	20.3	31.8	28.9	45.2	45.6	70.8	57.8	60.5	63.3
Department of State, total	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	.6	.6
Dept of Transportation, total	416.1	429.8	336.6	321.0	278.6	270.6	342.6	394.0	425.2	577.7	653.6
Federal Aviation Admin	270.1	303.3	180.1	179.6	141.0	169.2	199.6	234.9	234.5	292.7	304.8
Federal Highway Admin	47.5	45.5	76.0	60.1	76.5	44.0	86.1	81.2	87.1	169.2	246.0
Federal Railroad Admin	16.2	15.4	10.9	10.3	6.7	7.0	12.8	20.6	21.6	32.0	21.3
Federal Transit Admin[15]	18.6	8.8	9.4	1.4	2.0	2.3	2.1	1.5	14.3	16.6	20.6
National Highway Traffic Safety Administration	27.5	18.6	28.4	45.2	28.5	16.9	19.2	24.5	28.3	26.9	25.8
Other Transportation[6]	36.2	38.2	31.8	24.4	23.9	31.2	22.8	31.3	39.6	40.4	35.1
Dept of the Treasury[16, 17]	24.2	22.9	26.3	25.7	23.4	25.1	30.3	24.4	16.5	26.2	28.9
Department of Veterans Affairs	215.1	181.2	195.1	197.3	184.9	206.6	213.4	202.1	246.0	246.6	218.1

See explanatory information, if any, and SOURCE at end of table.

Table C-90a. Federal outlays for research and development, by agency: fiscal years 1985-95

[Dollars in millions]

Page 3 of 3

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Other agencies											
Agcy for Internat'l Dvlpmt[18]	220.3	241.5	248.7	216.6	279.1	334.0	344.0	205.9	321.7	365.4	247.2
Environmental Protection Agency	274.8	306.9	325.9	340.0	343.2	388.5	400.1	411.9	495.2	557.0	610.7
Nat'l Aeronautics & Space Admin	2,970.3	3,431.5	3,250.4	3,831.7	4,974.8	6,324.3	7,071.2	7,616.5	8,087.0	8,213.0	8,532.8
National Science Foundation	1,186.0	1,410.7	1,410.0	1,494.0	1,556.7	1,524.9	1,630.6	1,732.7	1,754.2	1,983.5	2,001.0
Nuclear Regulatory Commission	161.1	136.0	124.4	113.5	113.2	111.5	107.5	116.5	119.6	115.8	112.9
All other agencies[19 20]	169.4	170.8	185.1	190.4	171.4	180.0	188.1	225.8	236.1	239.4	250.9

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[7] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[8] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[9] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[10] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[11] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[12] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[13] The Bureau of Prisons was formerly listed as Federal Prison System.

[14] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[15] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[16] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[17] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[18] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81

[19] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[20] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-91. Federal outlays for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	704.6	829.7	800.6	800.2	1,107.8	1,202.8	1,481.7	1,606.7	1,376.1	1,299.9	1,639.2
Departments:											
Dept of Agriculture, total	5.9	7.9	8.8	22.5	18.6	21.7	27.7	39.0	21.3	32.8	29.2
Department of Commerce, total	11.9	10.5	7.8	5.7	3.5	1.9	4.8	1.3	1.0	.7	9.2
Department of Defense, total	164.9	152.9	144.2	125.6	312.6	235.8	204.7	238.5	231.7	267.7	380.1
Department of the Army	31.4	30.0	20.6	14.8	6.8	2.1	7.6	8.9	13.5	21.5	34.4
Department of the Navy	47.5	47.8	59.3	63.6	49.1	52.9	90.9	92.2	125.3	136.7	150.3
Department of the Air Force	68.2	54.5	57.1	40.0	250.1	164.9	103.0	130.0	67.7	103.7	191.2
Defense agencies	17.7	20.6	7.2	7.2	6.6	15.9	3.2	7.4	25.2	5.8	4.2
Dept of Energy, total[1] [2]	NA	NA	NA	427.1	481.3	653.5	962.8	1,084.5	943.3	824.5	916.1
Department of Health, Education, & Welfare, total	33.3	85.9	52.4	45.6	68.0	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	NA	73.4	76.9	42.6	36.8	26.5	34.6
Dept of the Interior, total	2.0	2.4	.8	4.4	7.7	9.0	8.7	4.1	1.3	2.4	5.2
Department of State, total	.2	.3	1.2	4.0	.1	0	0	0	0	0	.0
Dept of Transportation, total	35.4	14.7	12.1	17.5	13.2	16.2	16.3	16.2	13.0	9.9	12.9
Dept of the Treasury, total	-	-	.1	.1	-	-	-	.1	.1	.1	.1
Department of Veterans Affairs	5.3	2.2	11.8	5.9	9.7	2.8	4.2	6.5	2.9	10.6	4.6
Other agencies:											
Agcy for Internat'l Dvlpmt[3]	NA	NA	NA	NA	NA	4.5	6.6	6.2	10.3	12.3	11.4
Energy Rsch & Dvlpmt Admin[2]	336.1	411.2	364.2	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	10.9	11.3	6.7	1.6	2.2	2.4	0	.0	.0	.0	.0
Nat'l Aeronautics & Space Admin	75.1	85.3	120.9	105.0	124.3	132.7	140.3	146.9	112.2	108.1	191.9
National Science Foundation	14.0	29.1	50.1	25.1	38.0	29.4	17.6	12.7	1.5	2.9	43.0
Nuclear Regulatory Commission	3.8	2.6	3.5	6.1	6.2	8.0	7.4	7.3	.0	.0	.0
All other agencies	5.8	13.2	16.0	4.0	22.3	11.5	3.7	.8	.6	1.5	.8

[1] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[2] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[3] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-91a. Federal outlays for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	1,688.9	1,481.2	1,602.4	1,817.2	2,026.1	2,015.8	2,546.1	2,784.5	3,144.5	3,032.4	2,648.0
Departments:											
Dept of Agriculture, total	34.3	35.0	71.1	78.5	92.3	124.2	80.1	136.8	149.5	157.1	152.4
Department of Commerce, total	4.3	7.4	4.2	10.9	9.1	14.7	15.5	21.3	22.4	25.2	26.2
Department of Defense, total	401.7	280.6	357.3	416.2	415.6	436.8	433.7	410.9	373.2	325.9	268.7
Department of the Army	53.4	55.0	60.7	61.8	39.7	46.8	65.0	22.0	7.0	14.0	30.0
Department of the Navy	143.8	130.7	65.0	78.8	84.5	101.2	87.0	111.0	73.5	81.9	25.2
Department of the Air Force	199.8	89.1	194.3	207.5	199.7	200.2	218.2	186.3	231.0	152.3	111.9
Defense agencies	4.7	5.8	37.4	68.1	91.8	88.6	63.5	91.6	61.7	77.7	101.6
Department of Education, total	.0	.8	15.8	11.1	2.3	2.8	2.6	2.5	12.8	3.1	1.8
Dept of Energy, total[1] [2]	855.3	725.8	721.3	779.0	838.3	856.9	1,099.8	1,198.0	1,483.2	1,038.5	1,016.0
Department of Health & Human Services, total	42.6	32.7	31.5	30.7	56.0	55.1	194.8	96.7	149.3	378.3	136.1
Dept of the Interior, total	4.2	6.1	4.8	5.1	6.8	10.5	20.7	17.8	20.8	27.8	25.9
Department of Justice, total	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0
Dept of Transportation, total	14.1	15.5	11.2	11.1	12.9	16.7	18.4	17.1	30.0	30.7	32.9
Dept of the Treasury, total	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2
Department of Veterans Affairs	7.6	3.9	3.7	4.6	1.5	12.4	8.2	5.5	4.8	6.5	8.6
Other agencies:											
Agcy for Internat'l Dvlpmt[3]	12.8	14.0	14.4	12.6	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.8	4.9
Nat'l Aeronautics & Space Admin	246.8	299.1	313.9	398.7	531.3	437.9	603.8	770.2	798.4	819.3	792.3
National Science Foundation	64.0	57.3	49.9	56.7	56.7	38.1	56.5	80.9	87.5	208.5	176.7
All other agencies	1.2	2.8	3.0	2.1	3.0	9.5	11.7	26.7	9.8	6.6	5.3

[1] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[2] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[3] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 5

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	18,176.5	19,859.5	21,616.4	24,817.6	27,140.8	29,620.6	31,386.1	34,589.6	37,822.4	40,009.6	44,012.1
Departments:											
Dept of Agriculture, total	387.5	427.9	478.6	559.9	645.9	685.7	744.5	794.7	818.7	881.5	905.4
Agricultural Coop Svc[1]	1.4	1.2	1.2	.0	0	0	1.6	1.7	1.7	2.1	2.2
Agricultural Marketing Svc[2]	NA	NA	NA	NA	NA	1.0	1.3	1.1	1.2	1.4	1.5
Agricultural Research Svc[3]	208.3	221.6	255.3	310.1	347.5	365.0	405.0	411.6	426.0	466.8	480.1
Cooperative State Rsch Svc[4]	89.4	101.1	113.4	127.3	157.4	172.6	184.2	199.4	219.0	242.3	245.7
Economics, Stat & Coop Svc[5]	NA	NA	NA	30.5	32.7	35.5	NA	NA	NA	NA	NA
Economic Research Svc	18.1	21.3	24.0	NA	NA	NA	NA	39.3	39.3	38.8	43.7
Economics & Statistics Svc[6]	NA	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA
Forest Service	69.6	81.5	82.8	92.1	108.3	111.0	115.2	129.3	112.5	108.1	108.8
Human Nutrition Info Svc	NA	NA	NA	NA	NA	NA	NA	0	8.5	8.2	6.0
Nat'l Agricultural Library	1	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	6	1.2	1.9	NA	NA	NA	NA	7.5	7.0	7.6	8.2
Office of International Cooperation & Development[7]	NA	NA	NA	NA	NA	0	5.3	3.9	2.6	5.3	8.2
Office of Transportation[2]	NA	NA	NA	NA	NA	.7	8	9	9	8	1.0
Department of Commerce, total	192.2	224.9	235.5	251.8	287.7	311.8	347.2	329.3	337.3	335.7	367.6
Bureau of the Census	1.0	1.0	2.5	2.6	3.4	3.1	3.2	3.9	3.8	4.3	4.4
Economic Development Admin	4.1	10.3	15.1	15.0	38.5	43.1	32.3	28.1	9.6	5.3	5.1
Maritime Administration[8]	25.9	23.9	21.2	19.7	20.6	20.5	19.9	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	1.0	4.6	2.0	3.4	.0	0	0	0	0	0	0
National Fire Prevention & Control Administration	0	3.6	6.4	6.6	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	41.1	44.6	47.9	53.9	59.1	69.3	76.4	83.0	89.9	95.7	104.9
National Oceanic & Atmospheric Administration	117.0	135.1	139.1	147.2	163.7	171.2	203.6	202.2	222.0	222.0	244.3
National Telecommunications & Information Administration	NA	NA	NA	2.9	1.8	4.1	10.7	10.9	11.3	8.3	8.7
Office of Telecommunications	1.6	1.3	.9	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	.0	.0	.0	0	.0	1	6	.0	-	-	1
Patent & Trademark Office	.5	.5	4	.5	.5	.5	.5	1.1	7	.0	.0
Department of Defense, total	8,589.5	9,179.6	9,798.1	11,409.0	11,786.2	12,776.4	14,189.2	16,786.3	20,913.1	23,305.3	25,902.1
Department of the Army	2,042.0	1,920.7	2,026.0	2,458.2	2,556.5	2,772.5	2,993.8	3,257.0	3,785.2	4,024.4	4,281.7
Department of the Navy	2,772.6	3,162.8	3,373.8	3,878.6	4,046.7	4,403.1	4,789.3	5,103.9	6,001.0	6,209.9	7,779.0
Department of the Air Force	3,283.9	3,573.1	3,799.6	4,381.1	4,422.4	4,693.1	5,319.0	7,128.8	9,442.6	10,951.3	12,377.0
Defense agencies	464.1	497.4	573.9	659.5	724.5	878.4	1,049.2	1,255.6	1,643.3	2,058.1	1,405.7
Defense Civil Preparedness Agency	2.7	1.7	.7	1.3	7.5	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary Defense	24.2	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 2 of 5

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Education	NA	NA	NA	NA	NA	166.3	139.4	104.9	128.0	111.7	115.7
Department of Energy[9,10]	NA	NA	NA	4,097.2	4,935.5	5,483.2	5,777.8	5,896.4	5,622.2	5,294.4	5,526.0
Department of Health, Education, & Welfare, total	2,331.0	2,436.5	2,616.7	2,955.9	3,281.5	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	155.6	139.4	139.5	153.0	180.2	NA	NA	NA	NA	NA	NA
Centers for Disease Control	44.9	42.6	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA
Food & Drug Administration	44.0	36.6	38.0	43.7	65.0	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	NA	NA	30.0	19.4	NA	NA	NA	NA	NA	NA
Health Resources Admin	55.8	43.3	38.2	7.4	5.5	NA	NA	NA	NA	NA	NA
Health Services Admin	12.5	17.3	17.5	17.7	18.2	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	75.7	69.9	63.7	64.9	89.5	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	1,777.3	1,918.2	2,092.5	2,411.7	2,654.2	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Education	.0	.6	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	0	0	0	32.2	36.2	NA	NA	NA	NA	NA	NA
Office of Education	51.5	45.9	58.2	31.1	32.9	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	53.0	64.3	61.9	76.8	75.8	NA	NA	NA	NA	NA	NA
Office of Internat'l Health	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	29.8	26.2	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	8.9	9.6	18.6	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	19.4	22.6	14.4	11.2	12.9	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	NA	3,558.4	3,810.8	3,950.9	3,965.4	4,400.4	4,861.8
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	214.4	233.5	239.7	251.4	304.0	337.5
Centers for Disease Control	NA	NA	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3
Food & Drug Administration	NA	NA	NA	NA	NA	66.7	76.6	72.6	75.0	102.7	80.8
Health Care Financing Admin	NA	NA	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1
Health Resources Admin	NA	NA	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	NA	10.1	13.3	18.5
Health Svcs Administration	NA	NA	NA	NA	NA	28.7	26.7	20.3	NA	NA	NA
Human Development Svcs[11]	NA	NA	NA	NA	NA	57.1	49.3	73.7	27.2	23.4	18.3
Nat'l Institutes of Health[12]	NA	NA	NA	NA	NA	3,000.8	3,211.2	3,355.5	3,452.6	3,806.8	4,285.2
Office of the Assistant Secretary for Health[13]	NA	NA	NA	NA	NA	34.6	29.9	33.1	16.1	16.6	18.1
Office of the Secretary	NA	NA	NA	NA	NA	24.7	24.0	19.5	13.4	14.4	10.4
Social Security Admin	NA	NA	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5
Dept of Housing & Urban Dvlpmt	64.8	62.0	67.6	52.1	69.7	67.9	56.0	48.1	28.9	32.1	18.2

See explanatory information, if any, and SOURCE at end of table

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 3 of 5

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Dept of the Interior, total	194.5	307.2	339.1	319.7	374.0	410.8	418.8	430.6	382.4	384.9	416.1
Bonneville Power Admin[9]	2.5	6.1	7.1	.0	.0	.0	.0	14.4	NA	NA	NA
Bureau of Land Management	.7	.8	.7	.9	1.2	1.3	1.7	1.9	5.3	3.9	3.8
Bureau of Mines	66.1	107.6	131.3	105.3	121.1	121.3	114.4	97.4	94.8	88.6	108.8
Bureau of Reclamation	7.4	7.8	8.3	9.9	11.2	12.2	14.1	14.3	10.1	10.0	10.4
Geological Survey[14]	66.6	106.6	110.3	117.5	133.7	145.6	146.3	169.8	152.6	158.4	209.9
Heritage Conservation & Recreation Service	-		-	-	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	NA	NA	.0	1.5	1.5
National Park Service	2.5	8.4	9.3	7.8	7.7	8.9	8.2	10.4	11.2	13.7	14.0
Office of the Secretary	.5	1.7	1.0	4.5	1.7	1.4	2.2	1.5	.5	7.4	.1
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	.0	2.2	5.0	7.8	5.8	1.5	1.5	.8
Off of Water Rsch & Tech[14]	22.8	19.5	19.0	16.0	28.0	28.0	30.0	21.8	12.3	2.2	3.6
US Fish & Wildlife Service	25.5	48.8	52.0	57.7	67.2	87.1	94.1	93.3	94.2	97.7	63.3
Department of Justice, total	34.7	44.3	33.9	27.7	60.9	43.0	41.5	26.5	26.7	31.4	24.5
Bureau of Prisons[15]	.5	.6	.8	1.1	3.6	3.4	2.1	2.5	1.7	1.7	1.6
Drug Enforcement Admin	5.0	1.5	2.5	3.0	1.9	2.4	2.7	1.3	3.2	2.5	1.9
Fed Bureau of Investigation	1.9	1.2	1.2	1.4	1.8	3.1	1.4	.7	2.7	2.5	1.0
Immigration & Naturalization Service	.0	.1	.1	.3	.4	.2	.3	.1	.6	.6	.6
Office of Justice Programs	27.3	40.9	29.2	21.8	51.6	32.2	33.2	21.0	18.0	23.8	19.5
Office of Legal Policy	.0	.0	.0	.0	1.6	1.7	1.8	.8	.4	.3	.0
Department of Labor, total	23.8	25.4	28.5	29.6	97.8	137.0	138.1	62.2	25.4	19.9	16.3
Bureau of Labor Statistics	1.7	1.8	1.3	1.4	1.2	.9	.9	.3	.3	.7	.5
Employment Standards Admin	.9	3.2	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	.9
Employment & Training Admin	16.1	15.5	17.5	16.8	86.6	120.8	121.7	52.4	16.1	9.0	6.1
Labor-Management Relations & Cooperative Programs[16]	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
Labor-Management Services Administration[16]	1.2	.8	.7	3.3	2.8	3.2	2.8	1.8	.7	.9	.0
Occupational Safety & Health Administration	1.4	2.0	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1
Office of the Secretary	2.5	2.0	1.8	.2	2.2	1.6	1.4	1.1	.9	1.5	1.9
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	NA	.5	1.1	1.1	.3
Pension & Welfare Benefit Administration	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 4 of 5

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of State, total	22.9	27.9	44.5	77.6	85.4	3.2	2.2	1.8	1.5	1.5	1.6
Agcy for Internat'l Dvlpmt[17]	21.4	26.7	42.9	75.3	82.6	NA	NA	NA	NA	NA	NA
Departmental funds	1.5	1.2	1.6	2.3	2.8	3.2	2.2	1.8	.0	.0	.0
Dept of Transportation, total	383.2	324.8	308.7	377.1	422.4	392.7	384.5	434.5	322.0	369.6	465.2
Coast Guard	26.6	16.5	12.8	19.5	24.4	21.1	18.0	26.3	20.0	19.6	19.5
Federal Aviation Admin	125.4	109.0	100.1	106.4	111.5	120.4	108.8	128.9	99.4	147.6	282.6
Federal Highway Admin	41.2	45.1	29.3	55.9	52.1	53.5	58.3	51.2	40.3	50.4	46.4
Federal Railroad Admin	37.4	39.4	60.5	58.5	65.7	56.1	56.4	46.1	24.5	16.5	19.2
Federal Transit Admin[18]	69.2	49.4	48.8	61.6	69.6	58.0	54.4	78.2	61.4	57.0	20.1
Maritime Administration[8]	NA	NA	NA	NA	NA	NA	NA	14.2	11.1	15.0	9.9
National Highway Traffic Safety Administration	53.6	34.0	31.4	47.2	66.5	56.8	63.8	66.4	55.9	52.5	57.4
Office of the Secretary	29.7	31.3	25.8	28.0	31.7	11.7	10.8	10.1	3.3	4.9	4.9
Research & Special Programs Administration	NA	NA	NA	.0	.9	15.0	14.0	13.1	6.1	6.2	5.2
Dept of the Treasury, total	1.1	1.7	3.8	4.9	9.9	9.6	12.1	11.4	13.4	15.6	13.9
Bureau of Alcohol, Tobacco, & Firearms	.0	.0	.0	1.1	2.0	2.5	1.6	.3	NA	NA	NA
Bureau of Engraving & Printing	1.1	1.7	2.8	2.5	3.7	2.1	2.3	2.7	4.8	3.9	3.6
Internal Revenue Service[19]	.0	.0	.0	.0	2.4	3.6	4.0	4.2	5.4	8.0	8.2
United States Customs Svc	.0	.0	1.1	1.3	1.8	1.4	3.9	3.5	3.2	3.4	1.9
United States Secret Svc[20]	NA	NA	NA	NA	NA	NA	.4	.6	.0	.3	.2
Department of Veterans Affairs	86.9	97.0	109.5	112.9	118.1	132.1	137.8	159.2	140.1	171.9	196.4
Other agencies											
Action	.2	.2	.1	.5	1.6	1.6	.0	.0	.0	.0	.0
Advisory Commission on Intergovernmental Relations	1.1	1.2	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1
Agcy for Internat'l Dvlpmt[17]	NA	NA	NA	NA	NA	112.9	155.6	142.2	205.9	232.0	245.0
Appalachian Regional Commission	NA	NA	.7	.7	.5	.9	.8	.4	.4	.2	.5
Civil Service Commission	3.1	4.4	4.0	3.9	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	21.7	23.1	10.2	24.0	24.3	20.7	30.3	18.3	NA	NA	NA
Consumer Product Safety Comm	4.3	7.9	5.8	6.7	4.1	6.6	6.2	.5	.2	.5	1.3
Energy Rsch & Dvlpmt Admin[10]	1,881.6	2,439.9	2,902.6	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	170.5	259.7	265.4	297.6	389.3	412.5	345.0	325.7	335.1	240.7	261.2
Federal Communications Comm	.9	1.1	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	.9
Federal Emergency Management Agency	NA	NA	NA	NA	7.0	12.6	11.8	11.6	9.2	3.3	11.5
Federal Energy Administration	.0	1.3	3.0	NA	NA	NA	NA	NA	NA	NA	NA
Federal Home Loan Bank Board[21]	.7	.7	.8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6
Federal Trade Commission	.9	.9	.9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6
General Services Admin[22]	1.8	1.8	1.1	.9	2.7	.5	.2	.6	1.0	.5	2.4
Interstate Commerce Commission	.0	.0	.1	.1	.3	.2	.1	.0	.0	.0	.0
Library of Congress	2.2	2.6	3.0	3.8	4.9	5.9	6.9	4.9	5.7	7.4	7.5
National Aeronautics & Space Administration	3,100.5	3,207.1	3,529.0	3,288.9	3,495.6	3,725.9	3,393.2	3,708.9	3,191.6	2,762.9	3,066.1
National Science Foundation	568.1	618.1	661.8	724.1	788.5	838.1	900.5	976.2	976.8	1,065.2	1,248.0
Nuclear Regulatory Commission	46.1	67.2	98.1	119.4	140.8	157.4	190.4	227.3	220.3	207.3	190.7

See explanatory information, if any, and SOURCE at end of table.

Table C-92. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 5 of 5

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Office of Personnel Management	NA	NA	NA	NA	4.5	6.0	6.8	8.4	.0	.0	0
Office of Telecomm Policy	0.3	4.1	4.6	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Small Business Administration	.0	.2	.1	0.5	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	25.2	25.2	26.2	29.8	35.1	37.9	41.9	45.3	52.9	57.0	63.8
Special Action Office for Drug Abuse Prevention	11.1	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	22.9	28.8	28.9	30.2	53.4	89.2	80.7	69.3	85.3	63.3	68.3
United States Arms Control & Disarmament Agency	1.1	1.0	1.4	2.2	3.6	3.5	3.8	2.4	1.9	1.0	1.3
US Information Agency[23]	.1	.1	.1	.1	.1	.1	.1	1.5	.1	-	1.4
US Internat'l Trade Commission	.0	.0	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[6] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[7] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[8] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[12] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[13] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[14] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[15] The Bureau of Prisons was formerly listed as Federal Prison System.

[16] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[17] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[18] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[19] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[20] Formerly listed as Office of Protective Research

[21] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[22] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[23] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	50,180.4	52,951.2	57,099.7	58,826.5	63,571.6	65,831.2	64,148.0	68,577.2	70,414.7	72,818.2	71,746.5
Departments											
Dept of Agriculture, total	983.6	1,007.9	1,059.6	1,151.8	1,127.5	1,210.6	1,381.3	1,491.8	1,470.2	1,542.7	1,476.9
Agricultural Coop Svc[1]	2.9	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	2.4	3.6
Agricultural Marketing Svc[2]	1.7	1.6	1.5	1.6	1.5	2.7	4.2	4.7	4.7	4.9	4.8
Agricultural Research Svc[3]	498.7	532.6	522.4	561.2	578.7	589.9	655.7	725.2	705.5	737.1	747.7
Animal & Plant Health Inspection Service	.0	4.2	4.9	6.2	7.7	14.0	15.7	16.7	17.1	20.3	17.3
Cooperative State Rsch Svc[4]	294.3	278.6	338.3	374.7	339.4	371.1	438.3	481.2	479.2	506.5	407.3
Economic Research Svc	46.4	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.7
Federal Grain Inspection Svc	.9	1.0	1.2	1.0	1.1	.6	.7	1.5	1.8	1.8	1.8
Foreign Agricultural Svc[5]	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4
Forest Service	114.8	114.0	127.1	138.4	133.0	163.5	193.1	184.3	186.3	198.0	217.4
Human Nutrition Info Svc	6.7	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	11.7	18.4
Nat'l Agricultural Stat Svc	8.4	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.5	3.5
Office of International Cooperation & Development[5]	7.7	7.0	5.6	5.0	2.5	3.6	3.1	1.5	1.5	.0	.0
Office of Transportation[2]	1.2	1.0	1.1	1.1	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	403.0	408.4	407.5	400.2	407.0	453.5	505.4	672.2	681.7	1,166.0	1,315.7
Bureau of the Census	4.9	4.7	4.7	5.7	4.9	6.9	6.6	5.3	5.4	5.4	5.6
Economic Development Admin	13.0	10.3	5.0	4.2	1.0	1.2	1.4	.5	.0	.5	.5
National Institute of Standards & Technology	104.7	108.5	100.7	118.7	124.2	131.0	148.4	190.2	219.8	595.0	793.8
National Oceanic & Atmospheric Administration	269.8	276.2	289.3	263.5	269.1	306.7	345.3	472.2	452.4	560.5	511.3
National Telecommunications & Information Administration	9.1	8.4	7.8	8.1	7.8	7.7	3.6	4.0	4.2	4.6	4.5
Office of the Secretary	1.4	.3	-	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	30,322.4	33,224.1	35,708.7	35,684.6	38,076.2	37,755.5	32,560.5	36,526.0	36,220.7	35,904.2	35,186.9
Department of the Army	4,623.7	4,863.3	5,085.2	4,898.8	5,704.5	5,737.2	6,172.5	6,876.2	6,227.2	5,794.9	5,338.4
Department of the Navy	9,309.5	9,747.9	9,576.8	9,588.9	9,755.7	9,646.6	7,860.0	8,126.8	9,148.3	9,523.7	9,116.0
Department of the Air Force	13,552.2	13,723.9	15,618.0	15,011.0	15,487.6	15,153.6	11,089.8	13,606.8	12,866.9	12,258.7	12,349.4
Defense agencies	2,786.3	4,771.9	5,291.8	5,957.3	6,973.3	6,996.8	7,200.9	7,670.5	7,723.3	8,083.7	8,119.2
Operational Test & Evaluation, Director	NA	.0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.5	12.5
Test & Evaluation, Deputy Under Secretary Defense	50.6	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	251.5

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates 1994	Estimates 1995
Department of Education	126.0	127.9	153.5	145.9	161.0	178.8	175.2	170.9	179.9	190.4	175.4
Department of Energy[6, 7]	5,834.4	5,430.6	5,529.4	5,951.4	6,065.6	6,546.6	7,203.2	7,493.0	7,723.7	7,479.1	7,313.0
Department of Health & Human Services, total	5,493.2	5,695.5	6,643.0	7,177.6	7,981.4	8,513.4	9,842.3	9,084.6	10,498.5	11,409.7	11,617.2
Administration on Aging[8]	NA	NA	NA	NA	NA	NA	20.6	20.2	20.9	20.3	20.4
Administration for Children & Families[8, 9]	NA	NA	NA	NA	NA	.0	129.0	39.2	19.9	16.4	15.7
Agency for Health Care Policy & Research[10]	NA	NA	NA	NA	NA	49.7	101.1	106.3	114.8	141.2	108.2
Alcohol, Drug Abuse, & Mental Health Administration	377.9	396.6	476.1	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA
Centers for Disease Control	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	202.9	202.9
Food & Drug Administration	95.1	87.4	85.8	91.5	122.0	122.0	143.5	150.0	174.2	194.9	177.0
Health Care Financing Admin	33.5	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	86.0	68.6
Health Resources & Services Administration	19.7	12.3	9.3	10.0	10.5	11.9	11.0	10.5	11.0	10.7	9.9
Human Development Svcs[8]	24.3	54.6	53.0	54.0	101.7	95.4	NA	NA	NA	NA	NA
Nat'l Institutes of Health[11]	4,856.5	5,034.5	5,886.2	6,309.9	6,833.3	7,221.3	7,763.4	8,491.4	9,893.3	10,692.0	10,977.5
Office of the Assistant Secretary for Health[10]	18.6	17.3	21.2	21.0	27.2	6.9	10.0	6.7	1.2	1.1	1.1
Office of the Secretary	9.6	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	13.0
Social Security Admin	10.4	5.6	9.8	14.7	15.8	13.9	11.9	33.0	24.5	32.5	23.0
Dept of Housing & Urban Dvlpmt	18.5	15.3	16.3	18.4	18.0	19.3	27.8	25.1	23.6	38.6	40.5
Dept of the Interior, total	395.9	389.6	415.7	426.1	479.8	522.6	615.1	627.6	642.2	656.4	656.0
Bureau of Land Management	4.4	3.4	3.7	3.7	3.0	2.8	8.8	6.3	8.9	.0	.0
Bureau of Mines	89.9	84.4	88.8	91.3	101.2	102.3	108.2	107.1	111.9	111.7	99.3
Bureau of Reclamation	13.2	10.2	10.7	4.4	4.2	5.8	8.7	13.2	10.3	9.7	6.1
Geological Survey[12]	215.7	219.5	227.6	236.9	281.1	309.7	359.8	365.7	360.4	367.2	366.3
Minerals Management Service	1.4	1.1	1.0	1.2	2.2	2.0	2.9	4.8	6.9	6.1	6.2
National Biological Survey	NA	NA	NA	NA	NA	NA	NA	NA	.0	142.3	159.0
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	19.3	19.1
Office of the Secretary	1.9	1.0	.0	.4	.4	.2	.6	.9	.4	.1	-
Office of Surface Mining Reclamation & Enforcement	2.0	2.3	1.0	1.0	.7	.7	1.0	.3	.5	.0	.0
US Fish & Wildlife Service	52.4	50.5	64.3	67.8	67.5	78.9	97.6	98.2	104.8	.0	.0
Department of Justice, total	36.0	36.5	53.5	43.1	38.2	40.5	48.9	48.0	48.9	45.6	45.8
Bureau of Prisons[13]	1.5	3.0	7.1	6.0	5.1	4.5	5.2	5.9	6.1	6.0	5.9
Drug Enforcement Admin	1.6	2.5	2.2	2.5	2.7	2.4	2.7	1.4	.9	.9	.9
Fed Bureau of Investigation	9.5	7.2	19.1	12.7	7.7	8.2	10.8	10.9	11.3	11.5	11.1
Immigration & Naturalization Service	.4	.4	.4	.3	.1	.4	.4	.4	.4	.4	.4
Office of Justice Programs	22.7	23.2	24.6	21.5	22.5	25.0	29.8	29.4	30.2	26.8	27.5
Office of Legal Policy	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
Department of Labor, total	13.3	10.4	21.6	35.6	35.4	73.0	44.0	51.7	55.0	52.0	65.6
Bureau of Labor Statistics	.6	.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1
Employment Standards Admin	-	.0	1.0	.1	.1	.1	.0	.0	.0	.0	.0
Employment & Training Admin	3.5	3.5	5.7	14.9	15.7	53.4	22.1	31.7	35.9	31.9	38.3
Labor-Management Relations & Cooperative Programs[14]	.3	.2	.3	.4	.3	.0	.0	NA	NA	NA	NA
Occupational Safety & Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.7	5.4
Office of the Secretary	2.6	2.1	2.7	6.1	6.1	7.1	8.7	5.9	5.8	5.7	5.7
Pension Benefit Guaranty Corporation	.2	.1	.3	.3	.3	.5	.5	.9	1.3	1.0	.5
Pension & Welfare Benefit Administration	1.6	.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.6	2.7

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of State, total	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	0.6	0.6
Dept of Transportation, total	437.9	397.5	336.2	318.5	318.9	388.3	398.3	470.3	577.6	799.6	720.8
Coast Guard	19.0	16.9	17.0	21.4	17.9	20.6	25.9	20.5	33.4	24.3	20.8
Federal Aviation Admin	294.8	271.5	177.7	173.8	162.3	237.5	236.4	260.2	271.3	326.8	312.3
Federal Highway Admin	49.0	46.1	76.9	74.1	91.0	91.5	86.9	131.0	175.7	367.6	297.1
Federal Railroad Admin	15.0	15.4	11.2	10.4	9.0	10.2	17.6	22.8	26.8	27.4	29.6
Federal Transit Admin[15]	10.2	8.2	12.6	2.3	1.4	1.6	1.7	1.7	31.3	16.9	24.2
Maritime Administration[16]	13.9	9.4	5.8	.5	.0	.9	1.7	1.8	1.7	1.7	3.6
National Highway Traffic Safety Administration	28.6	22.9	28.4	28.3	29.7	16.9	21.4	25.8	31.6	25.3	24.5
Office of the Secretary	4.8	5.1	4.5	5.7	5.5	6.8	4.3	4.1	4.5	4.7	4.7
Research & Special Programs Administration	2.7	2.0	2.1	2.1	2.0	2.4	2.4	2.5	1.3	4.9	4.0
Dept of the Treasury, total	24.4	24.2	27.0	26.2	25.7	25.7	31.0	24.8	16.8	27.2	28.9
Bureau of Engraving & Printing	5.0	4.2	4.5	2.0	1.7	2.1	3.5	2.0	3.2	4.3	2.0
Financial Crimes Enforcement Network	.0	.0	.0	.0	.0	.0	2.3	1.2	1.5	1.9	1.9
Internal Revenue Service[17]	15.9	14.2	14.6	14.4	14.4	16.8	17.9	17.9	6.5	14.3	17.1
Off of Thrift Supervision[18]	NA	NA	NA	NA	NA	.0	3.0	.8	.7	.4	.5
United States Customs Svc	2.3	4.9	7.1	9.3	6.9	6.3	3.8	2.3	4.1	4.6	6.7
United States Mint	.6	.3	.2	.1	2.0	.1	.1	.0	.1	1.1	-
United States Secret Svc[19]	.6	.5	.5	.4	.6	.5	.4	.6	.6	.6	.6
Department of Veterans Affairs	229.9	191.0	215.4	234.8	245.7	241.0	220.0	229.6	239.5	270.4	219.8
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.4	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.2	1.6
Agcy for Internat'l Dvlpmt[20]	227.2	258.7	224.3	210.6	279.1	334.6	377.7	365.9	382.2	315.6	314.0
Appalachian Regional Commission	.2	.2	.1	.2	.8	.4	.7	1.9	.9	.9	.9
Consumer Product Safety Comm	2.4	2.0	2.2	1.1	1.3	1.1	1.3	1.1	1.2	.4	.3
Environmental Protection Agency	320.4	317.3	348.2	347.4	380.3	419.7	432.6	483.9	497.8	561.7	615.6
Federal Communications Comm	1.2	.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.2
Federal Emergency Management Agency	4.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Federal Home Loan Bank Board[18]	2.8	3.3	3.4	3.4	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	1.7	1.8	.5	.4	.4	.5	1.0	1.3	.9	.9	.9
General Services Admin[21]	.4	20.0	1.6	2.3	.5	19.5	22.6	6.5	1.0	.3	.0
Library of Congress	7.1	6.6	6.5	7.1	8.0	8.4	9.0	10.3	10.5	10.6	10.5
National Aeronautics & Space Administration	3,561.5	3,694.8	4,096.5	4,758.6	5,913.0	7,060.3	8,003.8	8,475.4	8,769.2	9,755.5	9,198.2
National Archives & Records Administration[21]	.5	1.0	1.1	.7	.3	.4	.7	.7	.3	.1	.1
National Science Foundation	1,419.1	1,406.5	1,531.8	1,589.6	1,724.0	1,728.8	1,944.8	1,970.0	2,012.3	2,240.2	2,388.2
Nuclear Regulatory Commission	150.0	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	114.4	112.3

See explanatory information, if any, and SOURCE at end of table.

Table C-92a. Federal obligations for research and development and for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Office of Thrift Supervision[18]	NA	NA	NA	NA	4.1	4.1	NA	NA	NA	NA	NA
Smithsonian Institution	72.7	64.0	74.4	75.8	83.6	88.8	99.5	101.8	107.0	109.0	111.0
Tennessee Valley Authority	80.0	78.3	78.2	87.7	62.8	69.8	73.1	100.5	109.6	108.3	113.8
United States Arms Control & Disarmament Agency	1.1	.9	4.6	3.4	2.8	.2	4	2.1	1.5	1.3	1.1
US Information Agency[22]	.1	2.0	3.5	.4	.1	.5	1	0	1.1	.7	.2
US Internat'l Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	12.7	12.5

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[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[7] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[9] Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[10] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[11] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[12] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[13] The Bureau of Prisons was formerly listed as Federal Prison System.

[14] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[15] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[16] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[17] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[18] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[19] Formerly listed as Office of Protective Research

[20] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
= Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-93. Federal obligations for research and development, by agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	17,410.1	19,038.8	20,779.7	23,450.4	25,845.1	28,145.1	29,830.4	33,103.9	36,432.6	38,711.5	42,224.9
Departments:											
Dept of Agriculture, total	378.7	420.1	462.4	547.0	621.3	663.0	687.6	774.0	797.3	847.6	866.2
Agricultural Coop Svc[1]	1.4	1.2	1.2	.0	.0	.0	1.6	1.7	1.7	2.1	2.2
Agricultural Marketing Svc[2]	NA	NA	NA	NA	NA	1.0	1.3	1.1	1.2	1.4	1.5
Agricultural Research Svc[3]	203.5	217.1	242.1	298.9	325.5	345.8	351.8	394.1	404.9	443.4	451.3
Cooperative State Rsch Svc[4]	89.4	101.1	113.4	127.3	157.4	172.6	184.2	199.4	219.0	232.3	235.7
Economics, Stat & Coop Svc[5]	NA	NA	NA	30.5	32.7	35.5	NA	NA	NA	NA	NA
Economic Research Svc	18.1	21.3	24.0	NA	NA	NA	NA	39.3	39.3	38.8	43.7
Economics & Statistics Svc[6]	NA	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA
Forest Service	65.5	78.2	79.9	90.3	105.6	107.5	111.5	126.1	112.1	107.7	108.4
Human Nutrition Info Svc	NA	NA	NA	NA	NA	NA	NA	.0	8.5	8.2	6.0
Nat'l Agricultural Library	.1	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	.6	1.2	1.9	NA	NA	NA	NA	7.5	7.0	7.6	8.2
Office of International Cooperation & Development[7]	NA	NA	NA	NA	NA	.0	5.3	3.9	2.6	5.3	8.2
Office of Transportation[2]	NA	NA	NA	NA	NA	.7	.8	.9	.9	.8	1.0
Department of Commerce, total	180.6	215.4	228.9	244.7	283.7	309.4	342.5	327.9	336.3	335.0	358.2
Bureau of the Census	1.0	1.0	2.5	2.6	3.4	3.1	3.2	3.9	3.8	4.3	4.4
Economic Development Admin	4.1	10.3	15.1	15.0	38.5	43.1	32.3	28.1	9.6	5.3	5.1
Maritime Administration[8]	23.1	22.9	19.0	14.8	19.6	19.6	19.4	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	1.0	4.6	2.0	3.4	.0	.0	.0	.0	.0	.0	.0
National Fire Prevention & Control Administration	.0	3.6	6.4	6.6	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	40.2	43.2	47.4	53.2	58.3	67.8	76.2	82.5	88.8	95.0	95.5
National Oceanic & Atmospheric Administration	109.1	128.0	135.1	145.7	161.5	171.2	199.8	201.4	222.0	222.0	244.3
National Telecommunications & Information Administration	NA	NA	NA	2.9	1.8	4.1	10.7	10.9	11.3	8.3	8.7
Office of Telecommunications	1.6	1.3	.9	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	.0	.0	.0	.0	.0	.1	.6	.0	-	-	.1
Patent & Trademark Office	.5	.5	.4	.5	.5	.5	.5	1.1	.7	.0	.0
Department of Defense, total	8,420.4	9,012.5	9,654.7	10,963.4	11,553.6	12,506.2	13,981.0	16,508.6	20,622.6	22,992.8	25,372.9
Department of the Army	2,009.9	1,896.7	2,013.7	2,441.9	2,548.9	2,768.7	2,980.0	3,244.2	3,760.5	3,998.1	4,225.5
Department of the Navy	2,718.5	3,100.2	3,328.0	3,817.4	3,998.4	4,335.0	4,706.1	5,006.0	5,845.1	6,068.2	7,605.6
Department of the Air Force	3,216.2	3,513.5	3,726.6	4,031.1	4,262.3	4,525.6	5,211.0	6,969.2	9,357.9	10,812.6	12,091.6
Defense agencies	448.9	476.5	561.6	641.4	707.9	847.6	1,046.0	1,248.2	1,618.1	2,052.3	1,391.5
Defense Civil Preparedness Agency	2.7	1.7	.7	1.3	7.5	NA	NA	NA	NA	NA	NA
Test & Evaluation, Deputy Under Secretary Defense	24.2	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6

See explanatory information, if any, and SOURCE at end of table.

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Table C-93. Federal obligations for research and development, by agency: fiscal years 1974-84

[Dollars in millions]

Page 2 of 4

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Education	NA	NA	NA	NA	NA	166.3	139.4	104.9	128.0	111.7	115.7
Department of Energy[9,10]	NA	NA	NA	3,536.2	4,244.8	4,638.8	4,753.7	4,918.2	4,708.2	4,536.7	4,673.6
Department of Health, Education, & Welfare, total	2,290.1	2,397.5	2,583.6	2,823.3	3,207.3	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	155.6	139.4	139.5	153.0	180.2	NA	NA	NA	NA	NA	NA
Centers for Disease Control	44.9	42.6	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA
Food & Drug Administration	43.5	35.9	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	NA	NA	30.0	19.4	NA	NA	NA	NA	NA	NA
Health Resources Admin	55.8	43.3	38.2	7.4	5.5	NA	NA	NA	NA	NA	NA
Health Services Admin	12.5	17.3	17.5	17.7	18.2	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	75.7	69.9	63.7	64.9	89.5	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	1,736.8	1,879.9	2,060.2	2,279.9	2,580.9	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Education	.0	6	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	.0	.0	.0	32.2	36.2	NA	NA	NA	NA	NA	NA
Office of Education	51.5	45.9	58.2	31.1	32.9	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	53.0	64.3	61.9	76.8	75.8	NA	NA	NA	NA	NA	NA
Office of Internat'l Health	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	29.8	26.2	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	8.9	9.6	18.6	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	19.4	22.6	14.4	11.2	12.9	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	NA	3,504.9	3,780.2	3,927.1	3,940.7	4,352.5	4,830.7
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	214.3	233.5	239.4	248.1	302.2	337.2
Centers for Disease Control	NA	NA	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3
Food & Drug Administration	NA	NA	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8
Health Care Financing Admin	NA	NA	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1
Health Resources Admin	NA	NA	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	NA	10.1	13.3	18.5
Health Svcs Administration	NA	NA	NA	NA	NA	28.7	26.7	20.3	NA	NA	NA
Human Development Svcs[11]	NA	NA	NA	NA	NA	57.1	49.3	73.7	27.2	23.4	18.3
Nat'l Institutes of Health[12]	NA	NA	NA	NA	NA	2,953.1	3,181.8	3,333.2	3,433.1	3,789.2	4,257.4
Office of the Assistant Secretary for Health[13]	NA	NA	NA	NA	NA	34.6	29.9	33.1	16.1	16.6	18.1
Office of the Secretary	NA	NA	NA	NA	NA	24.7	24.0	19.5	13.4	14.4	10.4
Social Security Admin	NA	NA	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5
Dept of Housing & Urban Dvlpmt	64.8	62.0	67.6	52.1	69.7	67.9	56.0	48.1	28.9	32.1	18.2
Dept of the Interior, total	192.4	303.3	333.2	314.7	359.0	405.8	411.3	427.1	381.1	382.5	410.9
Bonneville Power Admin[9]	2.4	6.0	7.0	0	0	.0	.0	14.2	NA	NA	NA
Bureau of Land Management	.7	8	7	9	1.2	1.3	1.7	1.9	5.3	3.9	3.8
Bureau of Mines	66.1	107.6	131.3	101.9	114.0	121.0	113.4	96.7	94.7	88.5	108.8
Bureau of Reclamation	7.4	7.8	8.3	9.9	11.2	12.2	14.1	14.3	10.1	10.0	10.4
Geological Survey[14]	66.2	106.6	110.3	117.5	133.7	145.6	146.3	169.8	152.6	157.0	208.9
Heritage Conservation & Recreation Service	-	-	-	-	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	NA	NA	.0	1.5	1.5
National Park Service	2.5	8.4	9.3	7.8	7.7	8.9	8.2	10.4	11.2	13.7	14.0
Office of the Secretary	.5	1.7	1.0	4.5	1.7	1.4	2.2	1.5	.5	7.4	.1
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	.0	2.2	5.0	7.5	5.8	1.5	1.5	.8
Off of Water Rsch & Tech[14]	22.3	19.5	19.0	15.1	27.4	27.2	29.3	21.1	11.4	2.2	3.6
US Fish & Wildlife Service	24.3	45.0	46.2	57.1	59.9	83.1	88.6	91.5	93.9	96.7	59.1
Department of Justice, total	34.7	44.3	33.9	27.7	60.9	43.0	41.5	26.5	26.7	31.4	24.5
Bureau of Prisons[15]	.5	.6	8	1.1	3.6	3.4	2.1	2.5	1.7	1.7	1.6
Drug Enforcement Admin	5.0	1.5	2.5	3.0	1.9	2.4	2.7	1.3	3.2	2.5	1.9
Fed Bureau of Investigation	1.9	1.2	1.2	1.4	1.8	3.1	1.4	7	2.7	2.5	1.0
Immigration & Naturalization Service	.0	.1	.1	.3	4	.2	.3	.1	.6	.6	.6
Office of Justice Programs	27.3	40.9	29.2	21.8	51.6	32.2	33.2	21.0	18.0	23.8	19.5
Office of Legal Policy	.0	.0	.0	.0	1.6	1.7	1.8	8	.4	.3	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-93. Federal obligations for research and development, by agency: fiscal years 1974-84

[Dollars in millions]

Page 3 of 4

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Labor, total	23.8	25.4	28.5	29.6	97.8	137.0	138.1	62.2	25.4	19.9	16.3
Bureau of Labor Statistics	1.7	1.8	1.3	1.4	1.2	.9	.9	.3	.3	.7	.5
Employment Standards Admin	.9	3.2	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	.9
Employment & Training Admin	16.1	15.5	17.5	16.8	86.6	120.8	121.7	52.4	16.1	9.0	6.1
Labor-Management Relations & Cooperative Programs[16]	.0	.0	.0	.0	.0	.0	0	.0	.0	.0	.3
Labor-Management Services Administration[16]	1.2	.8	.7	3.3	2.8	3.2	2.8	1.8	.7	.9	.0
Occupational Safety & Health Administration	1.4	2.0	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1
Office of the Secretary	2.5	2.0	1.8	.2	2.2	1.6	1.4	1.1	.9	1.5	1.9
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	NA	.5	1.1	1.1	.3
Pension & Welfare Benefit Administration	.0	.0	0	.0	0	.0	0	.0	.0	0	1.2
Department of State, total	22.5	27.9	39.4	61.4	85.2	3.2	2.2	1.8	1.5	1.5	1.6
Agcy for Internat'l Dvlpmt[17]	21.1	26.7	37.8	59.1	82.4	NA	NA	NA	NA	NA	NA
Departmental funds	1.5	1.2	1.6	2.3	2.8	3.2	2.2	1.8	.0	.0	.0
Dept of Transportation, total	369.8	311.6	294.5	354.6	408.3	370.1	361.2	415.5	310.1	347.7	448.3
Coast Guard	21.6	15.9	12.4	18.9	23.7	21.1	18.0	26.3	20.0	19.6	19.5
Federal Aviation Admin	125.0	105.6	98.1	103.4	110.5	110.5	103.1	120.0	94.3	126.2	266.2
Federal Highway Admin	40.8	44.7	28.9	55.5	51.7	52.9	51.1	51.2	40.3	50.4	46.4
Federal Railroad Admin	33.5	32.4	50.4	41.9	53.9	44.2	46.2	36.6	18.2	16.5	19.2
Federal Transit Admin[18]	65.6	47.7	47.5	59.9	69.6	58.0	54.4	78.2	61.4	57.0	20.1
Maritime Administration[8]	NA	NA	NA	NA	NA	NA	NA	14.2	11.1	15.0	9.9
National Highway Traffic Safety Administration	53.6	34.0	31.4	47.0	66.3	56.6	63.6	65.9	55.4	52.0	56.9
Office of the Secretary	29.7	31.3	25.8	28.0	31.7	11.7	10.8	10.1	3.3	4.9	4.9
Research & Special Programs Administration	NA	NA	NA	.0	.9	15.0	14.0	13.1	6.1	6.2	5.2
Dept of the Treasury, total	1.1	1.7	3.7	4.8	9.9	9.5	12.0	11.3	13.3	15.6	13.9
Bureau of Alcohol, Tobacco, & Firearms	.0	.0	.0	1.1	2.0	2.5	1.6	.3	NA	NA	NA
Bureau of Engraving & Printing	1.1	1.7	2.8	2.5	3.7	2.1	2.3	2.7	4.8	3.9	3.6
Internal Revenue Service[19]	.0	.0	.0	.0	2.4	3.6	4.0	4.2	5.4	8.0	8.2
United States Customs Svc	.0	.0	1.0	1.2	1.8	1.3	3.8	3.5	3.1	3.3	1.8
United States Secret Svc[20]	NA	NA	NA	NA	NA	NA	.4	.6	.0	.3	.2
Department of Veterans Affairs	84.8	94.8	97.7	107.0	114.0	127.0	133.4	144.4	137.3	161.4	190.3
Other agencies:											
Action	.2	.2	.1	.5	1.6	1.6	.0	.0	.0	.0	0
Advisory Commission on Intergovernmental Relations	1.1	1.2	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1
Agcy for Internat'l Dvlpmt[17]	NA	NA	NA	NA	NA	106.5	149.3	134.2	199.9	227.3	237.2
Appalachian Regional Commission	NA	NA	.7	.7	.5	.9	.8	.4	.4	.2	.5
Civil Service Commission	3.1	4.4	4.0	3.9	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	21.7	23.1	10.2	24.0	24.3	20.7	30.3	18.3	NA	NA	NA
Consumer Product Safety Comm	4.3	6.0	5.6	6.7	3.8	3.9	3.5	.5	.2	.5	1.3
Energy Rsch & Dvlpmt Admin[10]	1,488.9	2,047.3	2,463.8	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	169.2	257.7	259.1	295.5	384.6	410.1	345.0	325.7	335.1	240.7	261.2
Federal Communications Comm	.9	1.1	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	.9
Federal Emergency Management Agency	NA	NA	NA	NA	7.0	12.6	11.8	11.6	9.2	3.3	11.5
Federal Energy Administration	.0	1.3	3.0	NA	NA	NA	NA	NA	NA	NA	NA
Federal Home Loan Bank Board[21]	.7	.7	.8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6
Federal Trade Commission	.9	.9	.9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6
General Services Admin[22]	1.8	1.8	1.1	.9	2.7	.5	.2	.6	1.0	.5	2.4
Interstate Commerce Commission	.0	.0	.1	.1	.3	.2	.1	.0	.0	.0	0
Library of Congress	2.2	2.6	3.0	3.8	4.9	5.9	6.9	4.9	5.7	7.4	7.5
National Aeronautics & Space Administration	3,002.2	3,064.4	3,446.8	3,170.8	3,333.3	3,578.4	3,234.1	3,593.2	3,077.9	2,661.6	2,821.9
National Science Foundation	556.4	595.0	609.3	697.0	748.8	807.9	881.8	961.6	975.3	1,062.0	1,202.8
Nuclear Regulatory Commission	42.3	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7

See explanatory information, if any, and SOURCE at end of table

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Table C-93. Federal obligations for research and development, by agency: fiscal years 1974-84

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Office of Personnel Management	NA	NA	NA	NA	4.5	6.0	6.8	8.4	.0	.0	.0
Office of Telecomm Policy	0.3	4.1	4.6	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Small Business Administration	.0	.2	.1	0.5	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	24.7	24.8	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6
Special Action Office for Drug Abuse Prevention	11.1	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	13.2	16.6	18.7	26.5	31.5	38.4	80.1	68.9	85.0	63.0	68.1
United States Arms Control & Disarmament Agency	1.1	1.0	1.4	2.2	3.6	3.5	3.8	2.4	1.9	1.0	1.3
US Information Agency[23]	.1	.1	.1	.1	.1	.1	.1	1.5	.1	-	1.4
US Internat'l Trade Commission	.0	.0	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[6] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[7] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[8] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[12] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[13] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[14] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[15] The Bureau of Prisons was formerly listed as Federal Prison System.

[16] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[17] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[18] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[19] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[20] Formerly listed as Office of Protective Research

[21] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[22] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[23] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-93a. Federal obligations for research and development, by agency: fiscal years 1985-95

[Dollars in millions]

Page 1 of 4

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	48,359.6	51,412.4	55,253.7	56,769.4	61,406.5	63,559.5	61,295.2	65,592.6	67,314.0	69,593.8	69,366.2
Departments											
Dept of Agriculture, total	943.0	928.5	947.9	1,016.6	1,038.3	1,108.4	1,236.6	1,327.1	1,327.8	1,387.6	1,396.9
Agricultural Coop Svc[1]	2.9	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	2.4	3.6
Agricultural Marketing Svc[2]	1.7	1.6	1.5	1.6	1.5	2.7	4.2	4.7	4.7	4.9	4.8
Agricultural Research Svc[3]	469.7	463.4	478.6	505.7	523.5	545.5	591.0	627.1	627.2	654.9	672.2
Animal & Plant Health Inspection Service	.0	4.2	4.9	5.6	7.4	8.0	15.7	16.7	17.1	17.7	17.3
Cooperative State Rsch Svc[4]	284.3	269.0	270.7	298.4	307.3	324.2	376.8	418.2	418.6	441.1	407.3
Economic Research Svc	46.4	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.7
Federal Grain Inspection Svc	.9	1.0	1.2	1.0	1.1	.6	.7	1.5	1.8	1.8	1.8
Foreign Agricultural Svc[5]	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4
Forest Service	113.1	113.3	126.7	135.5	131.4	158.6	174.7	180.7	182.7	193.1	212.9
Human Nutrition Info Svc	6.7	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	11.7	18.4
Nat'l Agricultural Stat Svc	8.4	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.5	3.5
Office of International Cooperation & Development[5]	7.7	7.0	5.6	5.0	2.5	3.6	3.1	1.5	1.5	.0	.0
Office of Transportation[2]	1.2	1.0	1.1	1.1	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	398.8	399.2	402.2	388.9	397.9	438.2	489.6	651.2	656.3	982.6	1,212.4
Bureau of the Census	4.9	4.7	4.7	5.7	4.9	6.9	6.6	5.3	5.4	5.4	5.6
Economic Development Admin	13.0	10.3	5.0	4.2	1.0	1.2	1.4	.5	.0	.5	.5
National Institute of Standards & Technology	100.5	100.8	98.6	107.9	115.5	122.3	140.0	179.0	207.2	425.7	693.8
National Oceanic & Atmospheric Administration	269.8	274.7	286.1	263.0	268.6	300.1	338.0	462.4	439.5	546.5	508.0
National Telecommunications & Information Administration	9.1	8.4	7.8	8.1	7.8	7.7	3.6	4.0	4.2	4.6	4.5
Office of the Secretary	1.4	.3	-	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	29,791.5	32,937.9	35,231.5	35,248.9	37,576.9	37,268.1	32,134.8	36,129.5	35,849.1	35,649.5	34,926.8
Department of the Army	4,570.8	4,809.4	5,019.5	4,806.0	5,659.3	5,684.1	6,081.5	6,854.2	6,209.1	5,756.9	5,326.0
Department of the Navy	9,127.4	9,650.3	9,507.8	9,514.1	9,666.1	9,586.2	7,806.0	8,030.8	9,102.9	9,475.5	9,099.9
Department of the Air Force	13,260.9	13,593.8	15,347.7	14,867.3	15,237.4	14,831.4	10,937.5	13,427.1	12,635.3	12,160.6	12,250.6
Defense agencies	2,781.7	4,767.4	5,219.7	5,832.9	6,858.9	6,945.2	7,072.5	7,571.7	7,647.0	8,013.4	7,986.4
Operational Test & Evaluation, Director	NA	.0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.5	12.5
Test & Evaluation, Deputy Under Secretary Defense	50.6	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	251.5

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal obligations for research and development, by agency: fiscal years 1985-95

[Dollars in millions]

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of Education	124.9	121.3	132.5	140.7	159.1	169.9	171.0	168.5	177.7	188.6	173.6
Department of Energy[6, 7]	4,966.0	4,688.3	4,757.2	5,036.4	5,192.6	5,630.6	5,983.1	6,172.2	6,262.1	6,529.6	6,370.4
Department of Health & Human Services, total	5,451.0	5,657.6	6,606.3	7,158.0	7,902.8	8,405.6	9,756.0	8,987.8	10,349.2	11,031.5	11,481.1
Administration on Aging[8]	NA	NA	NA	NA	NA	NA	20.6	20.2	20.9	20.3	20.4
Administration for Children & Families[8, 9]	NA	NA	NA	NA	NA	0	129.0	39.2	19.9	16.4	15.7
Agency for Health Care Policy & Research[10]	NA	NA	NA	NA	NA	49.7	101.1	106.3	114.8	141.2	108.2
Alcohol, Drug Abuse, & Mental Health Administration	377.6	396.1	475.5	554.8	695.7	842.7	1,460.6	NA	NA	NA	NA
Centers for Disease Control	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	202.9	202.9
Food & Drug Administration	82.1	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	168.3	168.6
Health Care Financing Admin	33.5	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	86.0	68.6
Health Resources & Services Administration	19.7	12.3	9.3	10.0	10.5	11.9	11.0	10.1	9.6	9.1	8.4
Human Development Svcs[8]	24.3	54.6	53.0	54.0	101.7	95.4	NA	NA	NA	NA	NA
Nat'l Institutes of Health[11]	4,827.7	5,005.1	5,850.9	6,290.9	6,778.3	7,136.5	7,695.5	8,409.2	9,765.1	10,341.9	10,851.3
Office of the Assistant Secretary for Health[10]	18.6	17.3	21.2	21.0	27.2	6.9	10.0	6.7	1.2	1.1	1.1
Office of the Secretary	9.6	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	13.0
Social Security Admin	10.4	5.6	9.8	14.7	15.8	13.9	11.9	33.0	24.5	32.5	23.0
Dept of Housing & Urban Dvlpmt	18.5	15.3	16.3	18.4	18.0	19.3	27.8	25.1	23.6	38.6	40.5
Dept of the Interior, total	391.7	385.2	403.8	416.8	469.0	508.5	592.9	609.2	619.1	629.1	630.7
Bureau of Land Management	4.4	3.4	3.7	3.7	3.0	2.8	8.8	6.3	8.9	0	0
Bureau of Mines	89.9	84.4	88.8	91.3	98.7	99.3	106.1	107.1	111.9	111.7	99.3
Bureau of Reclamation	13.2	10.2	10.7	4.4	4.2	5.8	8.7	13.2	10.3	9.7	6.1
Geological Survey[12]	214.9	218.6	226.8	236.1	279.9	308.4	356.6	361.4	356.7	358.4	358.6
Minerals Management Service	1.4	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	5.0	5.1
National Biological Survey	NA	NA	NA	NA	NA	NA	NA	NA	0	124.9	142.4
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	19.3	19.1
Office of the Secretary	1.9	1.0	.0	.4	.4	.2	.6	.9	.4	.1	
Office of Surface Mining Reclamation & Enforcement	2.0	2.3	1.0	1.0	.7	.7	1.0	.3	.5	0	0
US Fish & Wildlife Service	49.0	47.0	53.3	59.2	60.6	69.4	81.0	85.1	86.5	0	0
Department of Justice, total	36.0	36.5	42.4	43.1	38.2	40.5	48.9	48.0	48.9	45.6	45.8
Bureau of Prisons[13]	1.5	3.0	7.1	6.0	5.1	4.5	5.2	5.9	6.1	6.0	5.9
Drug Enforcement Admin	1.6	2.5	2.2	2.5	2.7	2.4	2.7	1.4	.9	.9	.9
Fed Bureau of Investigation	9.5	7.2	8.0	12.7	7.7	8.2	10.8	10.9	11.3	11.5	11.1
Immigration & Naturalization Service	.4	.4	.4	.3	.1	.4	.4	.4	.4	.4	.4
Office of Justice Programs	22.7	23.2	24.6	21.5	22.5	25.0	29.8	29.4	30.2	26.8	27.5
Office of Legal Policy	.3	.2	.1	.0	.0	.0	.0	0	0	0	0

See explanatory information, if any, and SOURCE at end of table.

Table C-93a. Federal obligations for research and development, by agency: fiscal years 1985-95

[Dollars in millions]

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of Labor, total	13.3	10.4	21.6	35.6	35.4	73.0	44.0	51.7	55.0	52.0	65.6
Bureau of Labor Statistics	.6	.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1
Employment Standards Admin		0	1.0	.1	.1	.1	0	0	0	0	0
Employment & Training Admin	3.5	3.5	5.7	14.9	15.7	53.4	22.1	31.7	35.9	31.9	38.3
Labor-Management Relations & Cooperative Programs[14]	.3	.2	.3	.4	.3	0	0	NA	NA	NA	NA
Occupational Safety & Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.7	5.4
Office of the Secretary	2.6	2.1	2.7	6.1	6.1	7.1	8.7	5.9	5.8	5.7	5.7
Pension Benefit Guaranty Corporation	.2	.1	.3	.3	.3	.5	.5	.9	1.3	1.0	.5
Pension & Welfare Benefit Administration	1.6	.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.6	2.7
Department of State, total	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	.6	.6
Dept of Transportation, total	428.9	385.5	325.0	304.6	303.3	366.6	379.9	445.0	545.3	749.9	692.2
Coast Guard	19.0	16.9	17.0	21.1	17.9	20.2	25.5	20.1	32.9	23.8	20.3
Federal Aviation Admin	286.3	260.6	167.3	160.5	146.8	216.1	220.1	236.2	248.9	293.8	288.3
Federal Highway Admin	49.0	45.5	76.7	74.1	91.0	91.5	86.9	130.2	174.9	353.5	293.4
Federal Railroad Admin	15.0	15.4	11.2	10.0	9.0	10.2	15.9	22.7	25.2	25.2	29.2
Federal Transit Admin[15]	10.2	8.2	12.6	2.3	1.4	1.6	1.7	1.7	24.3	16.9	24.2
Maritime Administration[16]	13.9	9.4	5.8	.5	0	.9	1.7	1.8	1.7	1.7	3.6
National Highway Traffic Safety Administration	28.1	22.4	27.9	28.3	29.7	16.9	21.4	25.8	31.6	25.3	24.5
Office of the Secretary	4.8	5.1	4.5	5.7	5.5	6.8	4.3	4.1	4.5	4.7	4.7
Research & Special Programs Administration	2.7	2.0	2.1	2.1	2.0	2.4	2.4	2.5	1.3	4.9	4.0
Dept of the Treasury, total	24.3	24.0	26.9	26.1	25.6	25.6	30.8	24.6	16.6	27.0	28.7
Bureau of Engraving & Printing	5.0	4.2	4.5	2.0	1.7	2.1	3.5	2.0	3.2	4.3	2.0
Financial Crimes Enforcement Network	0	0	0	0	0	0	2.3	1.2	1.5	1.9	1.9
Internal Revenue Service[17]	15.9	14.2	14.6	14.4	14.4	16.8	17.9	17.9	6.5	14.3	17.1
Off of Thrift Supervision[18]	NA	NA	NA	NA	NA	0	3.0	.8	.7	.4	.5
United States Customs Svc	2.2	4.8	7.0	9.2	6.8	6.2	3.7	2.2	4.0	4.5	6.6
United States Mint	.6	.3	.2	.1	2.0	.1	.1	0	.1	1.1	
United States Secret Svc[19]	.6	.4	.5	.4	.6	.5	.4	.5	.6	.6	.6
Department of Veterans Affairs	226.6	186.2	209.5	215.3	234.7	237.7	216.6	223.9	236.2	255.9	211.0
Other agencies											
Advisory Commission on Intergovernmental Relations	2.4	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.2	1.6
Agcy for Internat'l Dvlpmt[20]	220.4	251.2	217.5	204.4	279.1	334.6	377.7	365.9	382.2	315.6	314.0
Appalachian Regional Commission	.2	.2	.1	.2	.8	.4	.7	1.9	.9	.9	.9
Consumer Product Safety Comm	2.4	2.0	2.2	1.1	1.3	1.1	1.3	1.1	1.2	.4	.3
Environmental Protection Agency	320.4	317.3	348.2	347.4	380.3	419.7	432.6	483.9	495.3	557.0	610.7
Federal Communications Comm	1.2	.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.2
Federal Emergency Management Agency	4.1	0	0	0	0	0	0	0	0	0	0
Federal Home Loan Bank Board[18]	2.8	3.3	3.4	3.4	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	1.7	1.8	.5	.4	.4	.5	1.0	1.3	.9	.9	.9
General Services Admin[21]	.4	1.2	1.6	2.3	.5	.7	0	0	0	0	0
Library of Congress	7.1	6.6	6.5	7.1	8.0	8.4	9.0	10.3	10.5	10.6	10.5
National Aeronautics & Space Administration	3,327.2	3,419.8	3,787.1	4,330.4	5,393.5	6,533.2	7,280.2	7,657.6	8,019.9	8,766.0	8,584.9
National Archives & Records Administration[21]	.5	1.0	1.1	.7	.3	.4	.7	.7	.3	.1	.1
National Science Foundation	1,345.6	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2	1,868.4	1,881.9	2,030.9	2,219.0
Nuclear Regulatory Commission	150.0	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	114.4	112.3

See explanatory information, if any, and SOURCE at end of table

Table C-93a. Federal obligations for research and development, by agency: fiscal years 1985-95

[Dollars in millions]

Page 4 of 4

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Office of Thrift Supervision[18]	NA	NA	NA	NA	4.1	4.1	NA	NA	NA	NA	NA
Smithsonian Institution	71.1	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	104.0	106.0
Tennessee Valley Authority	79.5	77.5	77.9	87.3	62.6	64.9	68.3	97.3	108.6	107.3	112.8
United States Arms Control & Disarmament Agency	1.1	9	3.6	3.4	2.8	.2	.4	2.1	1.5	1.3	1.1
US Information Agency[22]	.1	2.0	3.5	.4	.1	.5	.1	.0	1.1	.7	.2
US Internat'l Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	12.7	12.5

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[7] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[9] Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[10] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[11] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[12] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[13] The Bureau of Prisons was formerly listed as Federal Prison System.

[14] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[15] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[16] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[17] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[18] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[19] Formerly listed as Office of Protective Research

[20] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
– = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-94. Federal obligations for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	766.3	820.7	836.7	1,367.2	1,295.7	1,475.5	1,555.7	1,485.7	1,389.8	1,297.5	1,787.3
Departments:											
Dept of Agriculture, total	8.8	7.8	16.1	12.9	24.7	22.6	56.9	20.8	21.5	33.9	39.2
Agricultural Research Svc[1]	4.7	4.5	13.2	11.1	22.0	19.1	53.2	17.6	21.1	23.4	28.8
Cooperative State Rsch Svc[2]	.0	.0	.0	.0	.0	.0	.0	0	.0	10.0	10.0
Forest Service	4.1	3.3	2.9	1.8	2.7	3.5	3.6	3.2	.4	.5	.4
Department of Commerce, total	11.6	9.5	6.6	7.1	4.1	2.4	4.6	1.3	1.0	.7	9.4
Maritime Administration[3]	2.8	1.1	2.2	4.9	1.0	.9	.5	NA	NA	NA	NA
National Institute of Standards & Technology	.9	1.4	.5	.7	.8	1.5	.3	.5	1.0	.7	9.4
National Oceanic & Atmospheric Administration	7.9	7.1	4.0	1.5	2.3	.0	3.9	.8	.0	.0	.0
Department of Defense, total	169.1	167.1	143.4	445.6	232.6	270.2	208.2	277.7	290.5	312.5	529.2
Department of the Army	32.1	23.9	12.3	16.3	7.6	3.8	13.8	12.8	24.7	26.3	56.2
Department of the Navy	54.0	62.7	45.8	61.2	48.3	68.1	83.2	97.9	155.9	141.7	173.4
Department of the Air Force	67.7	59.6	73.0	350.0	160.1	167.5	108.0	159.6	84.7	138.7	285.4
Defense agencies	15.3	20.9	12.3	18.1	16.6	30.8	3.2	7.4	25.2	5.8	14.2
Department of Energy[4] [5]	NA	NA	NA	561.0	690.7	844.4	1,024.1	978.2	914.0	757.7	852.4
Department of Health, Education, & Welfare, total	40.9	39.1	33.1	132.6	74.3	NA	NA	NA	NA	NA	NA
Food & Drug Administration	.4	.7	.9	.8	.9	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	40.5	38.4	32.2	131.8	73.4	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	NA	53.5	30.6	23.7	24.7	47.9	31.1
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	.1	.0	.2	3.3	1.8	.3
Food & Drug Administration	NA	NA	NA	NA	NA	5.8	1.2	1.2	2.0	28.5	3.0
Nat'l Institutes of Health[6]	NA	NA	NA	NA	NA	47.6	29.4	22.3	19.4	17.5	27.8

See explanatory information, if any, and SOURCE at end of table.

Table C-94. Federal obligations for R&D plant, by agency: fiscal years 1974-84

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Dept of the Interior, total	2.1	3.9	5.9	5.0	15.0	5.0	7.5	3.5	1.3	2.4	5.2
Bonneville Power Admin[4]	1	1	.1	.0	.0	.0	.0	.3	NA	NA	NA
Bureau of Mines	.0	.0	.0	3.4	7.1	.3	1.0	.6	.1	.1	-
Geological Survey[7]	4	0	.0	.0	.0	.0	.0	.0	.0	1.4	1.0
National Park Service	.0	-	-	-	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	.0	.0	.0	.3	.0	.0	.0	.0
Off of Water Rsch & Tech[7]	.5	.0	.0	.9	.6	.7	.7	.8	.9	.0	.0
US Fish & Wildlife Service	1.2	3.8	5.8	.6	7.3	4.0	5.5	1.8	.3	.9	4.2
Department of State, total	4	.0	5.1	16.2	.2	.0	.0	.0	.0	.0	.0
Agcy for Internat'l Dvlpmt[8]	4	0	5.1	16.2	.2	NA	NA	NA	NA	NA	NA
Dept of Transportation, total	13.4	13.3	14.2	22.5	14.1	22.6	23.3	18.9	11.9	21.9	16.9
Coast Guard	5.1	.6	.4	.6	.7	.0	.0	.0	.0	.0	.0
Federal Aviation Admin	4	3.4	2.0	3.0	1.0	9.9	5.7	8.9	5.1	21.4	16.4
Federal Highway Admin	4	.4	4	.4	.4	.6	7.2	-	.0	.0	.0
Federal Railroad Admin	3.9	7.0	10.1	16.6	11.8	11.9	10.2	9.5	6.3	.0	.0
Federal Transit Admin[9]	3.7	1.8	1.3	1.7	.0	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	.0	.0	.0	.2	.2	.2	.2	.5	.5	.5	.5
Dept of the Treasury, total	-	-	.1	.1	-	-	-	.1	.1	.1	1
Bureau of Engraving & Printing	-	-	.0	.0	.0	.0	.0	.0	.0	.0	.0
United States Customs Svc	0	.0	.1	.1	-	-	-	.1	.1	.1	.1
Department of Veterans Affairs	2.1	2.2	11.8	5.9	4.1	5.1	4.4	14.8	2.8	10.5	6.1
Other agencies:											
Agcy for Internat'l Dvlpmt[8]	NA	NA	NA	NA	NA	6.4	6.3	8.0	6.0	4.8	7.8
Consumer Product Safety Comm	.0	1.9	.2	.0	.3	2.7	2.7	.0	.0	.0	.0
Energy Rsch & Dvlpmt Admin[5]	392.7	392.6	438.8	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	1.2	2.1	6.3	2.1	4.6	2.4	.0	.0	.0	.0	.0
National Aeronautics & Space Administration	98.4	142.7	82.1	118.1	162.3	147.5	159.1	115.8	113.7	100.8	244.2
National Science Foundation	11.7	23.1	52.6	27.1	39.7	30.2	18.7	14.6	1.5	3.2	45.2
Nuclear Regulatory Commission	3.8	3.0	9.6	7.1	6.9	8.6	7.7	7.7	.0	.0	.0
Smithsonian Institution	.4	.4	.5	.2	.2	1.0	.9	.4	.5	1.0	.2
Tennessee Valley Authority	9.7	12.2	10.2	3.7	21.9	50.8	.6	.4	.3	.3	.2

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[1] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[2] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[3] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[4] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[5] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[6] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[7] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[8] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[9] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-94a. Federal obligations for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 1 of 2

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	1,820.8	1,538.8	1,846.0	2,057.1	2,165.1	2,271.7	2,852.8	2,984.6	3,100.7	3,224.4	2,380.3
Departments:											
Dept of Agriculture, total	40.6	79.4	111.8	135.2	89.2	102.2	144.6	164.7	142.4	155.2	80.0
Agricultural Research Svc[1]	29.0	69.2	43.9	55.5	55.2	44.4	64.7	98.1	78.3	82.2	75.5
Animal & Plant Health Inspection Service	.0	.0	.0	.5	.3	6.1	.0	.0	0	2.7	0
Cooperative State Rsch Svc[2]	10.0	9.5	67.6	76.2	32.2	46.9	61.5	63.0	60.5	65.4	0
Forest Service	1.6	.6	.3	2.9	1.6	4.9	18.4	3.6	3.6	4.9	4.5
Department of Commerce, total	4.2	9.3	5.2	11.2	9.1	15.4	15.7	21.0	25.4	183.4	103.3
National Institute of Standards & Technology	4.2	7.7	2.0	10.7	8.6	8.8	8.5	11.2	12.6	169.4	100.0
National Oceanic & Atmospheric Administration	.0	1.5	3.2	.5	.5	6.6	7.3	9.9	12.8	14.0	3.3
Department of Defense, total	530.9	286.1	477.2	435.8	499.3	487.3	425.7	396.5	371.5	254.7	260.1
Department of the Army	52.9	53.9	65.8	92.8	45.1	53.1	91.0	22.0	18.1	38.0	12.3
Department of the Navy	182.1	97.6	69.0	74.9	89.6	60.4	54.0	96.0	45.5	48.3	16.2
Department of the Air Force	291.3	130.1	270.3	143.7	250.2	322.2	152.3	179.7	231.6	98.1	98.8
Defense agencies	4.6	4.5	72.1	124.4	114.4	51.6	128.4	98.8	76.3	70.3	132.8
Department of Education	1.1	6.6	21.0	5.2	1.9	8.9	4.2	2.4	2.2	1.8	1.8
Department of Energy[3] [4]	868.4	742.3	772.2	915.0	873.0	916.0	1,220.1	1,320.8	1,461.5	949.5	942.6
Department of Health & Human Services, total	42.1	37.9	36.7	19.5	78.6	107.8	86.3	96.7	149.3	378.3	136.1
Alcohol, Drug Abuse, & Mental Health Administration	.4	.5	.6	.0	.0	.0	.0	NA	NA	NA	NA
Food & Drug Administration	13.0	8.0	.8	.5	23.0	23.0	18.4	14.3	19.7	26.6	8.4
Health Resources & Services Administration	.0	.0	.0	.0	.0	.0	.0	.3	1.4	1.5	1.5
Nat'l Institutes of Health[5]	28.8	29.4	35.3	19.0	55.6	84.8	67.8	82.1	128.2	350.1	126.2
Social Security Admin	.0	.0	.0	.0	.0	.0	.	0	0	0	0

See explanatory information, if any, and SOURCE at end of table

Table C-94a. Federal obligations for R&D plant, by agency: fiscal years 1985-95

[Dollars in millions]

Page 2 of 2

Agency and subdivision	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Dept of the Interior, total	4.2	4.3	11.8	9.4	10.8	14.0	22.2	18.4	23.1	27.2	25.4
Bureau of Mines	.0	.0	0	.0	2.6	3.0	2.1	.0	.0	.0	.0
Geological Survey[6]	8	.8	8	8	1.3	1.3	3.3	4.3	3.8	8.8	7.7
Minerals Management Service	.0	.0	.0	.0	.0	.2	.3	1.0	1.1	1.1	1.1
National Biological Survey	NA	NA	NA	NA	NA	NA	NA	NA	.0	17.4	16.5
US Fish & Wildlife Service	3.4	3.5	11.0	8.6	6.9	9.5	16.6	13.1	18.3	.0	.0
Department of Justice, total	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0
Fed Bureau of Investigation	.0	.0	11.1	.0	.0	.0	.0	.0	.0	.0	.0
Dept of Transportation, total	9.0	12.1	11.2	13.9	15.5	21.8	18.4	25.3	32.3	49.8	28.7
Coast Guard	.0	.0	.0	.3	.0	.4	.4	.4	5	.5	5
Federal Aviation Admin	8.5	10.9	10.4	13.2	15.5	21.4	16.3	24.0	22.4	33.0	24.0
Federal Highway Admin	.0	.7	.3	.0	.0	.0	.0	.8	.9	14.0	3.8
Federal Railroad Admin	.0	.0	0	.4	.0	.0	1.7	.1	1.6	2.2	.4
Federal Transit Admin[7]	.0	.0	.0	.0	.0	.0	.0	.0	7.0	.0	.0
National Highway Traffic Safety Administration	.5	.5	.5	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Treasury, total	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.2
United States Customs Svc	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
United States Secret Svc[8]	.0	.1	-	-	-	-	-	-	-	-	-
Department of Veterans Affairs	3.3	4.8	5.9	19.5	11.0	3.3	3.4	5.7	3.4	14.5	8.8
Other agencies:											
Agcy for Internat'l Dvlpmt[9]	6.9	7.5	6.8	6.1	.0	.0	.0	.0	.0	.0	.0
Environmental Protection Agency	.0	.0	.0	.0	.0	.0	.0	.0	2.5	4.8	4.9
General Services Admin[10]	.0	18.8	.0	.0	.0	18.8	22.6	6.5	1.0	.3	.0
National Aeronautics & Space Administration	234.3	275.0	309.4	428.2	519.5	527.0	723.6	817.8	749.4	989.5	613.3
National Science Foundation	73.6	53.2	61.3	56.9	53.6	39.3	159.6	101.6	130.4	209.3	169.2
Smithsonian Institution	1.6	.7	2.9	.7	3.4	4.8	1.5	3.8	5.0	5.0	5.0
Tennessee Valley Authority	.5	.8	.3	.4	.2	4.9	4.8	3.2	1.0	1.0	1.0
United States Arms Control & Disarmament Agency	.0	.0	1.0	.0	.0	.0	.0	.0	.0	.0	.0

[1] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[2] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[3] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[4] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[5] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[6] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[7] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[8] Formerly listed as Office of Protective Research

[9] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[10] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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Table C-95. Federal obligations for research, development, and R&D plant: fiscal years 1970-95

[Dollars in millions]

Page 1 of 1

Fiscal years	Total	Research		Development	R&D plant
		Basic	Applied		
1970	15,863.4	1,925.9	2,974.9	10,438.1	524.4
1971	16,153.8	1,980.1	3,143.0	10,419.3	611.2
1972	17,098.0	2,186.9	3,360.8	10,948.2	602.1
1973	17,574.5	2,232.0	3,349.4	11,218.7	774.3
1974	18,176.5	2,387.7	3,787.6	11,234.9	766.3
1975	19,859.5	2,588.4	4,141.3	12,309.1	820.7
1976	21,616.4	2,767.5	4,851.9	13,160.3	836.7
1977	24,817.6	3,258.6	5,255.5	14,936.3	1,367.2
1978	27,140.8	3,698.6	5,908.2	16,238.4	1,295.7
1979	29,620.6	4,192.7	6,342.3	17,610.1	1,475.5
1980	31,386.1	4,674.2	6,923.2	18,233.1	1,555.7
1981	34,589.6	5,041.3	7,171.5	20,891.1	1,485.7
1982	37,822.4	5,481.6	7,540.6	23,410.4	1,389.8
1983	40,009.6	6,260.1	7,993.4	24,458.0	1,297.5
1984	44,012.1	7,067.4	7,911.4	27,246.1	1,787.3
1985	50,180.4	7,818.7	8,314.7	32,226.1	1,820.8
1986	52,951.2	8,153.1	8,349.1	34,910.2	1,538.8
1987	57,099.7	8,942.4	8,998.1	37,313.2	1,846.0
1988	58,826.5	9,473.6	9,176.5	38,119.3	2,057.1
1989	63,571.6	10,602.0	10,163.5	40,641.0	2,165.1
1990	65,831.2	11,285.6	10,336.8	41,937.1	2,271.7
1991	64,148.0	12,170.8	11,797.6	37,326.8	2,852.8
1992	68,577.2	12,489.9	12,000.7	41,102.0	2,984.6
1993	70,414.7	13,399.1	13,491.4	40,423.5	3,100.7
1994 (estimates)	72,818.2	14,043.4	13,990.2	41,560.3	3,224.4
1995 (estimates)	71,746.5	14,201.0	13,960.2	41,205.1	2,380.3

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-96. Federal obligations for research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	6,175.2	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8
Departments											
Dept of Agriculture, total	365.1	401.9	442.2	524.0	594.5	631.9	657.4	741.0	766.5	817.6	834.9
Agricultural Coop Svc[1]	1.4	1.2	1.2	0	0	0	1.6	1.7	1.7	2.1	2.2
Agricultural Marketing Svc[2]	NA	NA	NA	NA	NA	4	1.0	9	1.0	1.1	1.2
Agricultural Research Svc[3]	193.4	204.1	227.6	281.0	303.7	320.9	328.6	367.9	379.1	417.9	424.3
Cooperative State Rsch Svc[4]	89.4	101.1	113.4	127.3	157.4	172.6	184.2	199.4	219.0	232.3	235.7
Economics, Stat & Coop Svc[5]	NA	NA	NA	29.7	32.7	35.5	NA	NA	NA	NA	NA
Economic Research Svc	18.1	21.3	24.0	NA	NA	NA	NA	39.3	39.3	38.8	43.7
Economics & Statistics Svc[6]	NA	NA	NA	NA	NA	NA	31.1	NA	NA	NA	NA
Forest Service	62.3	73.3	74.5	86.1	100.7	102.5	106.1	119.9	107.7	103.9	105.1
Human Nutrition Info Svc	NA	NA	NA	NA	NA	NA	NA	.0	8.5	8.2	6.0
Nat'l Agricultural Library	1	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	4	1.0	1.6	NA	NA	NA	NA	7.5	7.0	7.6	8.2
Office of International Cooperation & Development[7]	NA	NA	NA	NA	NA	.0	4.9	3.6	2.4	4.8	7.5
Office of Transportation[2]	NA	NA	NA	NA	NA	0	.0	.8	.8	.8	.9
Department of Commerce, total	129.2	144.4	155.7	176.1	192.8	219.5	254.4	249.4	276.1	284.8	296.7
Bureau of the Census	7	7	2.1	2.0	2.3	1.8	1.9	3.0	1.9	2.2	2.4
Economic Development Admin	9	1.1	2.1	2.5	5.9	8.5	2.5	1.8	1.6	5.3	5.1
Maritime Administration[8]	5.8	5.7	5.0	3.7	7.0	12.2	12.1	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	2	9	.4	7	0	.0	.0	.0	.0	.0	0
National Fire Prevention & Control Administration	0	7	3.2	4.5	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	32.7	34.7	37.5	45.0	48.5	51.8	58.9	66.2	73.9	81.5	83.7
National Oceanic & Atmospheric Administration	87.1	99.7	104.9	115.8	127.9	142.7	168.8	168.5	188.5	188.9	197.7
National Telecommunications & Information Administration	NA	NA	NA	2.0	1.1	2.4	9.6	9.9	10.1	6.9	7.7
Office of Telecommunications	1.6	6	4	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	0	0	0	0	0	1	5	0	-	-	-
Patent & Trademark Office	2	3	2	0	0	0	.0	0	.0	.0	.0
Department of Defense, total	1,434.4	1,431.0	1,527.5	1,715.8	1,824.1	2,014.1	2,261.8	2,600.9	2,952.8	3,222.6	3,048.5
Department of the Army	366.5	336.4	362.4	398.0	409.8	448.6	479.3	536.5	639.2	693.6	708.8
Department of the Navy	401.3	406.5	438.0	497.4	526.3	567.3	611.1	698.0	778.7	827.0	765.4
Department of the Air Force	341.7	355.8	382.3	425.8	448.7	492.3	537.3	617.3	633.9	688.4	740.1
Defense agencies	322.2	330.6	344.1	393.4	431.7	505.9	634.1	749.1	901.0	1,013.6	834.3
Defense Civil Preparedness Agency	2.7	1.7	7	1.3	7.5	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-96. Federal obligations for research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Education	NA	NA	NA	NA	NA	93.4	87.6	53.8	70.5	76.1	80.9
Department of Energy[9] [10]	NA	NA	NA	891.3	1,102.2	1,131.8	1,277.3	1,413.6	1,696.1	1,961.1	2,024.9
Department of Health, Education, & Welfare, total	1,846.7	1,924.8	2,150.7	2,414.3	2,740.7	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	155.6	139.4	136.6	152.0	178.8	NA	NA	NA	NA	NA	NA
Centers for Disease Control	44.9	42.6	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA
Food & Drug Administration	43.5	35.9	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	NA	NA	30.0	19.4	NA	NA	NA	NA	NA	NA
Health Resources Admin	9.7	16.7	31.0	7.4	5.0	NA	NA	NA	NA	NA	NA
Health Services Admin	9.4	10.6	9.5	9.5	10.6	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	9.5	4.1	10.8	27.1	34.6	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	1,489.6	1,604.2	1,767.7	1,968.7	2,232.6	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Education	.0	.6	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	0	0	0	28.6	32.6	NA	NA	NA	NA	NA	NA
Office of Education	6.4	5.3	21.4	11.9	13.3	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	17.2	7.1	34.6	48.7	45.2	NA	NA	NA	NA	NA	NA
Office of Internat'l Health	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	29.8	26.2	23.7	20.0	30.2	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	8.9	9.6	18.6	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	19.4	22.6	9.1	11.2	12.9	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	NA	3,015.7	3,332.8	3,492.2	3,605.6	4,020.8	4,466.0
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	213.5	233.5	237.7	246.1	300.4	336.0
Centers for Disease Control	NA	NA	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3
Food & Drug Administration	NA	NA	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8
Health Care Financing Admin	NA	NA	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1
Health Resources Admin	NA	NA	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	NA	6.7	11.0	16.2
Health Svcs Administration	NA	NA	NA	NA	NA	10.2	8.0	10.2	NA	NA	NA
Human Development Svcs[11]	NA	NA	NA	NA	NA	14.9	19.1	39.9	8.7	6.9	4.5
Nat'l Institutes of Health[12]	NA	NA	NA	NA	NA	2,530.1	2,787.5	2,948.3	3,124.5	3,478.2	3,910.4
Office of the Assistant Secretary for Health[13]	NA	NA	NA	NA	NA	29.9	25.7	28.8	13.9	16.6	18.1
Office of the Secretary	NA	NA	NA	NA	NA	24.7	24.0	19.5	13.1	14.4	10.0
Social Security Admin	NA	NA	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5
Dept of Housing & Urban Dvlpmt	33.8	33.5	36.9	32.7	30.5	23.8	19.6	16.7	10.3	11.3	6.3

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 3 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Dept of the interior, total	143.5	234.1	259.5	255.9	283.5	339.5	354.4	369.8	351.5	357.7	380.2
Bonneville Power Admin[9]	.4	.5	.5	0	0	0	0	6.5	NA	NA	NA
Bureau of Land Management	.6	.7	.7	.8	1.0	1.1	1.3	1.5	2.4	2.0	1.8
Bureau of Mines	30.5	52.9	73.3	52.3	57.0	79.1	82.8	68.0	81.1	79.4	97.2
Bureau of Reclamation	6.9	7.3	7.9	9.3	10.6	11.4	12.9	13.4	9.0	8.8	9.0
Geological Survey[14]	66.2	106.6	110.3	117.5	133.7	145.1	145.8	169.3	152.1	154.7	204.0
Heritage Conservation & Recreation Service	-	-	-	-	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	NA	NA	0	1.5	1.5
National Park Service	2.5	8.4	9.3	7.5	7.7	8.9	8.2	10.4	11.2	13.7	14.0
Office of the Secretary	.4	1.3	1.0	4.5	1.7	1.4	2.2	1.5	.5	7.4	.1
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	0	2.2	5.0	7.5	5.8	1.5	1.5	.8
Off of Water Rsch & Tech[14]	15.0	15.4	14.0	12.3	15.4	17.8	18.4	15.8	10.1	1.2	3.6
US Fish & Wildlife Service	21.0	40.9	42.5	51.7	54.2	69.6	75.2	77.8	83.6	87.5	48.3
Department of Justice, total	18.6	18.9	18.3	17.6	45.7	28.8	28.8	19.5	16.3	20.7	17.9
Bureau of Prisons[15]	0	0	0	.1	.7	.5	.9	1.7	.9	1.3	1.2
Drug Enforcement Admin	1.7	.9	.5	.9	.5	.7	.8	.4	1.3	.9	.7
Immigration & Naturalization Service	0	-	.1	.1	.2	.1	.2	.1	.3	.3	.3
Office of Justice Programs	16.9	17.9	17.7	16.4	43.3	25.9	25.6	16.7	13.4	18.0	15.7
Office of Legal Policy	0	0	0	0	1.1	1.6	1.3	.7	.4	.2	0
Department of Labor, total	17.2	15.3	18.0	18.7	25.7	42.1	36.4	58.2	17.2	17.9	16.3
Bureau of Labor Statistics	.6	.7	.8	.9	.8	.9	.9	.3	.3	.7	.5
Employment Standards Admin	.9	3.2	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	.9
Employment & Training Admin	11.7	7.1	7.5	6.4	14.9	25.9	20.1	48.8	8.7	7.9	6.1
Labor Management Relations & Cooperative Programs[16]	0	0	0	0	0	0	0	0	0	0	.3
Labor Management Services Administration[16]	1.2	.8	.7	3.3	2.8	3.2	2.8	1.8	.7	.9	0
Occupational Safety & Health Administration	.5	1.4	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1
Office of the Secretary	2.3	2.0	1.8	.2	2.2	1.6	1.4	1.1	.9	1.5	1.9
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	NA	.1	.3	.3	.3
Pension & Welfare Benefit Administration	0	0	0	0	0	0	0	0	0	0	1.2

See explanatory information, if any, and SOURCE at end of table.

Table C-96. Federal obligations for research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 4 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of State, total	17.8	22.5	25.1	38.3	49.1	2.7	2.0	1.6	1.5	1.5	1.6
Agcy for Internat'l Dvlpmt[17]	16.8	21.7	24.0	36.2	46.6	NA	NA	NA	NA	NA	NA
Departmental funds	1.1	.7	1.1	2.1	2.5	2.7	2.0	1.6	.0	0	.0
Dept of Transportation, total	61.8	53.8	31.1	51.8	66.5	67.0	82.4	88.6	66.7	72.6	77.7
Coast Guard	6.7	4.3	2.6	2.5	2.3	10.9	8.1	15.0	1.7	1.2	7.2
Federal Aviation Admin	13.9	14.1	3.6	4.7	6.8	7.5	8.2	8.2	7.0	12.5	15.0
Federal Highway Admin	3.3	3.4	1.9	5.3	4.9	4.4	4.6	5.1	5.3	7.3	6.1
Federal Railroad Admin	1.6	2.7	8.6	6.6	9.2	7.5	7.9	6.2	3.1	2.8	12.3
Federal Transit Admin[18]	6.2	2.9	.6	1.0	1.1	1.1	8.9	9.3	19.4	18.3	1.0
Maritime Administration[8]	NA	NA	NA	NA	NA	NA	NA	9.5	6.6	6.2	8.6
National Highway Traffic Safety Administration	14.9	12.0	9.9	27.5	38.0	30.0	38.6	29.4	21.3	21.4	24.7
Office of the Secretary	15.2	14.4	3.9	4.2	4.1	.6	.6	.7	.3	.3	.9
Research & Special Programs Administration	NA	NA	NA	.0	.1	5.0	5.5	5.2	2.1	2.6	1.8
Dept of the Treasury, total	.5	.4	1.5	2.1	4.1	4.7	5.7	5.2	8.1	10.2	10.6
Bureau of Alcohol, Tobacco, & Firearms	.0	0	.0	.4	.4	.7	.3	.1	NA	NA	NA
Bureau of Engraving & Printing	.5	.4	1.5	1.7	1.9	.6	1.3	.9	2.8	2.0	2.2
Internal Revenue Service[19]	.0	.0	.0	.0	1.8	3.5	3.9	4.2	5.3	7.9	8.1
United States Customs Svc	.0	.0	.0	.0	.0	.0	.1	.1	-	.0	.1
United States Secret Svc[20]	NA	NA	NA	NA	NA	NA	.0	.0	.0	.3	.1
Department of Veterans Affairs	78.7	87.1	85.1	92.3	99.4	111.4	117.9	127.7	123.0	146.1	171.9
Other agencies:											
Action	.1	.2	.1	.1	.2	.0	.0	.0	.0	.0	.0
Advisory Commission on Intergovernmental Relations	1.1	1.2	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1
Agcy for Internat'l Dvlpmt[17]	NA	NA	NA	NA	NA	66.9	79.7	86.4	127.9	156.7	167.0
Appalachian Regional Commission	NA	NA	.7	.6	.3	.7	.6	.3	.3	.2	.4
Civil Service Commission	1.3	1.5	1.1	1.1	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	.5	.2	.0	1.0	2.0	1.8	1.3	1.9	NA	NA	NA
Consumer Product Safety Comm	2.6	3.0	3.5	3.7	.9	1.8	1.6	.2	.1	.3	1.1
Energy Rsch & Dvlpmt Admin[10]	464.7	593.4	746.5	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	96.3	141.7	155.4	205.3	252.7	259.0	245.1	218.3	243.4	174.6	172.0
Federal Communications Comm	.9	1.1	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	.9
Federal Emergency Management Agency	NA	NA	NA	NA	4.8	9.7	9.3	9.1	9.2	3.3	6.1
Federal Energy Administration	.0	.2	1.0	NA	NA	NA	NA	NA	NA	NA	NA
Federal Home Loan Bank Board[21]	.7	.7	.8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6
Federal Trade Commission	.9	.9	.9	1.1	1.4	1.5	3.0	1.1	1.2	1.4	1.6
General Services Admin[22]	1.4	.9	.4	.4	2.2	.2	.1	.4	.5	.2	.4
Interstate Commerce Commission	.0	.0	.1	.1	.3	.2	.1	.0	.0	.0	.0
Library of Congress	.4	.4	.4	.4	.5	.6	.6	.9	.9	1.3	2.1
National Aeronautics & Space Administration	845.7	935.1	1,222.8	1,206.1	1,345.2	1,451.2	1,609.6	1,407.2	1,407.1	1,544.8	1,709.2
National Science Foundation	520.3	570.0	595.8	688.3	743.5	800.0	873.7	955.5	973.2	1,062.0	1,202.8
Nuclear Regulatory Commission	42.3	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7

See explanatory information, if any, and SOURCE at end of table

Table C-96. Federal obligations for research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 5 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Office of Personnel Management	NA	NA	NA	NA	1.0	1.4	2.6	3.4	.0	.0	.0
Office of Telecomm Policy	0.3	2.5	1.9	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Small Business Administration	.0	2	1	0.5	.0	.0	.0	.0	.0	.0	.0
Smithsonian Institution	24.7	24.8	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6
Special Action Office for Drug Abuse Prevention	11.1	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	11.6	14.7	16.5	22.9	13.5	16.5	15.8	14.2	12.7	12.3	14.3
United States Arms Control & Disarmament Agency	1.1	1.0	1.4	1.8	2.5	2.7	3.0	1.6	1.3	.8	1.2
US Information Agency[23]	.1	.1	.1	.1	.1	.1	.1	1.1	.0	-	1.4
US Internat'l Trade Commission	.0	.0	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[6] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[7] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[8] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[12] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[13] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[14] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[15] The Bureau of Prisons was formerly listed as Federal Prison System.

[16] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[17] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[18] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[19] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[20] Formerly listed as Office of Protective Research

[21] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[22] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[23] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-96a. Federal obligations for research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	28,033.5	28,161.2
Departments:											
Dept of Agriculture, total	910.9	896.4	918.9	985.2	1,002.2	1,061.3	1,175.5	1,261.0	1,251.7	1,307.4	1,315.0
Agricultural Coop Svc[1]	2.9	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	2.4	3.6
Agricultural Marketing Svc[2]	1.3	1.3	1.2	1.3	1.3	2.2	3.7	4.1	4.1	4.2	4.2
Agricultural Research Svc[3]	442.0	436.0	454.6	479.4	492.1	512.3	550.8	583.2	574.3	598.9	614.7
Animal & Plant Health Inspection Service	.0	4.2	4.9	5.6	7.4	.0	.0	.0	.0	.0	.0
Cooperative State Rsch Svc[4]	284.3	269.0	270.7	298.4	307.3	324.2	376.8	418.2	418.6	441.1	407.3
Economic Research Svc	46.4	44.6	44.8	48.1	49.5	50.5	54.4	58.9	58.9	55.2	53.7
Federal Grain Inspection Svc	.8	.6	.7	.6	.8	.2	.7	1.5	1.8	1.8	1.8
Foreign Agricultural Svc[5]	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.4	1.4
Forest Service	109.8	109.7	122.9	131.5	127.5	153.8	170.2	175.8	177.2	187.3	206.5
Human Nutrition Info Svc	6.7	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	11.7	18.4
Nat'l Agricultural Stat Svc	8.4	8.0	3.4	3.6	2.9	2.8	3.2	3.6	3.9	3.5	3.5
Office of International Cooperation & Development[5]	7.3	6.6	5.3	4.8	2.3	3.4	3.0	1.5	1.5	.0	.0
Office of Transportation[2]	1.1	.9	.9	.9	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	324.2	339.5	338.6	342.3	351.0	377.0	449.7	595.9	582.1	807.6	912.3
Bureau of the Census	2.5	2.6	2.8	3.8	3.0	4.9	4.8	3.4	3.3	3.3	3.3
Economic Development Admin	2.0	2.3	5.0	4.2	1.0	1.2	1.4	.5	.0	.5	.5
National Institute of Standards & Technology	86.5	89.1	89.4	98.9	105.6	111.8	124.3	149.4	172.9	291.1	438.8
National Oceanic & Atmospheric Administration	224.4	237.5	234.4	228.2	234.6	252.4	315.6	438.7	401.7	508.2	465.2
National Telecommunications & Information Administration	7.9	7.6	7.0	7.3	6.9	6.8	3.6	4.0	4.2	4.6	4.5
Office of the Secretary	.9	.3	-	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	3,168.3	3,227.3	3,347.6	3,239.1	3,656.1	3,529.2	3,717.9	4,073.4	4,783.5	4,385.4	4,262.6
Department of the Army	823.4	827.3	909.9	753.7	823.4	780.2	860.5	932.7	1,018.6	876.6	812.0
Department of the Navy	791.3	784.3	786.7	747.8	783.2	807.6	874.0	892.8	996.1	853.1	948.9
Department of the Air Force	736.7	759.0	784.8	773.1	807.4	776.3	830.4	790.5	887.8	870.4	876.8
Defense agencies	816.9	856.7	866.1	964.5	1,242.1	1,165.1	1,153.0	1,457.3	1,881.0	1,785.4	1,625.0

See explanatory information, if any, and SOURCE at end of table.

Table C-96a. Federal obligations for research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of Education	91.9	95.8	106.9	111.0	122.0	130.3	131.7	127.0	133.6	140.5	137.3
Department of Energy[6, 7]	2,141.0	2,040.3	2,097.9	2,235.4	2,431.7	2,570.5	3,273.6	3,412.5	3,440.2	3,393.1	3,381.0
Department of Health & Human Services, total	5,028.3	5,189.6	6,021.9	6,497.0	7,088.4	7,467.1	8,162.5	7,945.5	9,192.6	9,737.7	10,120.9
Administration on Aging[8]	NA	NA	NA	NA	NA	NA	2.9	2.5	2.7	2.5	2.7
Administration for Children & Families[8, 9]	NA	NA	NA	NA	NA	.0	13.5	34.3	18.5	14.8	14.6
Agency for Health Care Policy & Research[10]	NA	NA	NA	NA	NA	44.2	93.0	97.8	105.6	129.9	99.5
Alcohol, Drug Abuse, & Mental Health Administration	376.4	394.9	473.3	552.4	692.6	801.2	923.0	NA	NA	NA	NA
Centers for Disease Control	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	202.9	202.9
Food & Drug Administration	82.1	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	168.3	168.6
Health Care Financing Admin	33.5	29.0	27.3	28.2	49.1	49.1	69.1	75.5	68.2	86.0	68.6
Health Resources & Services Administration	18.2	12.3	9.3	10.0	10.5	11.9	11.0	10.1	9.6	9.1	8.4
Human Development Svcs[8]	5.8	6.8	9.4	7.1	8.5	7.7	NA	NA	NA	NA	NA
Nat'l Institutes of Health[11]	4,428.1	4,587.6	5,314.7	5,680.7	6,061.8	6,335.8	6,783.0	7,398.7	8,638.5	9,080.0	9,520.7
Office of the Assistant Secretary for Health[10]	16.9	15.8	18.9	19.4	25.6	5.8	9.6	6.0	.0	.0	.0
Office of the Secretary	9.4	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	13.0
Social Security Admin	10.4	5.6	9.8	14.7	15.8	11.8	10.2	33.0	24.5	32.5	22.0
Dept of Housing & Urban Dvlpmt	6.5	5.3	5.5	6.3	6.1	6.6	9.4	8.8	8.1	14.1	14.8
Dept of the Interior, total	369.3	367.9	382.1	392.5	441.9	475.2	553.4	570.6	580.1	583.1	584.5
Bureau of Land Management	2.8	2.1	2.1	2.2	2.0	2.1	5.9	5.9	8.0	.0	.0
Bureau of Mines	86.5	81.6	85.2	86.2	93.2	89.9	99.0	102.9	105.0	104.5	93.6
Bureau of Reclamation	11.2	9.7	10.2	3.7	3.5	5.3	7.8	10.7	7.4	7.2	4.5
Geological Survey[12]	210.5	211.2	216.5	225.3	266.9	293.2	338.4	344.5	343.9	346.7	348.6
Minerals Management Service	1.4	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	5.0	5.1
National Biological Survey	NA	NA	NA	NA	NA	NA	NA	NA	.0	100.3	113.6
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	38.1	19.3	19.1
Office of the Secretary	1.9	1.0	.0	.1	.0	.0	.1	.2	.2	.0	.0
Office of Surface Mining Reclamation & Enforcement	2.0	2.3	1.0	1.0	.7	.7	1.0	.3	.5	.0	.0
US Fish & Wildlife Service	37.9	41.7	47.6	53.5	53.9	62.0	71.0	71.2	71.2	.0	.0
Department of Justice, total	19.3	22.3	19.8	17.4	17.5	19.9	21.1	20.3	25.6	23.0	22.4
Bureau of Prisons[13]	1.1	2.7	2.2	2.1	2.1	1.8	1.9	2.5	2.5	2.5	2.5
Drug Enforcement Admin	.5	.8	.7	.6	.5	.4	.9	.1	-	.1	.1
Immigration & Naturalization Service	.2	.2	.2	.3	.1	.4	.4	.4	.4	.4	.4
Office of Justice Programs	17.2	18.5	16.7	14.4	14.8	17.3	17.9	17.3	22.7	20.1	19.5
Office of Legal Policy	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
Department of Labor, total	12.4	9.5	20.4	26.7	22.2	21.6	24.3	23.8	19.0	21.0	30.2
Bureau of Labor Statistics	.6	.6	6.5	7.0	7.0	7.3	7.5	7.6	6.9	7.1	13.1
Employment Standards Admin	-	.0	1.0	.1	.1	.1	.0	.0	.0	.0	.0
Employment & Training Admin	3.5	3.5	5.4	6.8	6.1	6.0	6.6	5.6	3.5	4.0	5.8
Labor-Management Relations & Cooperative Programs[14]	.3	.2	.3	.4	.3	.0	.0	NA	NA	NA	NA
Occupational Safety & Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.7	5.4
Office of the Secretary	1.7	1.3	1.8	5.2	2.5	3.3	4.7	4.1	2.9	3.1	3.1
Pension Benefit Guaranty Corporation	.2	.1	.3	.3	.3	.3	.4	.8	.7	.5	.2
Pension & Welfare Benefit Administration	1.6	.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.6	2.7

See explanatory information, if any, and SOURCE at end of table

Table C-96a. Federal obligations for research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of State, total	1.5	1.5	3.0	4.2	4.7	4.7	5.9	5.6	5.3	0.6	0.6
Dept of Transportation, total	71.2	68.2	68.8	91.2	120.5	119.2	114.6	156.9	226.1	348.9	310.3
Coast Guard	5.4	3.5	3.7	5.4	4.6	5.1	6.4	5.0	8.2	5.9	5.1
Federal Aviation Admin	17.3	14.0	11.1	13.3	23.6	26.1	24.0	30.1	59.8	75.3	72.7
Federal Highway Admin	6.3	14.7	20.7	43.7	56.6	57.6	46.1	73.2	91.7	205.8	168.8
Federal Railroad Admin	11.4	12.5	10.4	8.2	7.5	8.5	13.2	18.9	20.9	20.9	16.7
Federal Transit Admin[15]	5	0	0	0	0	0	0	0	10.9	11.8	16.6
Maritime Administration[16]	8.0	6.8	3.3	5	0	9	1.7	1.8	1.7	1.7	3.6
National Highway Traffic Safety Administration	20.9	16.1	18.9	19.1	26.2	16.9	21.4	25.8	31.6	25.3	24.5
Office of the Secretary	9	4	4	7	1.3	1.7	6	7	6	7	9
Research & Special Programs Administration	5	3	2	4	7	2.4	1.4	1.4	5	1.4	1.4
Dept of the Treasury, total	18.3	17.7	17.4	15.9	16.3	18.7	24.1	20.8	11.1	20.0	20.8
Bureau of Engraving & Printing	3.4	3.1	2.8	1.2	1.4	1.4	2.7	1.8	3.2	4.3	2.8
Internal Revenue Service[17]	14.7	14.0	14.1	13.7	14.1	16.5	17.5	17.5	6.5	14.3	17.1
Off of Thrift Supervision[18]	NA	NA	NA	NA	NA	0	3.0	8	7	4	5
United States Customs Svc	1	2	2	7	4	4	5	2	1	4	7
United States Secret Svc[19]	2	4	2	4	4	5	4	5	6	6	6
Department of Veterans Affairs	209.1	169.9	190.3	196.1	213.7	215.6	193.8	200.9	207.4	224.6	185.7
Other agencies											
Advisory Commission on Intergovernmental Relations	2.4	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.2	1.6
Agcy for Internat'l Dvlpmt[20]	159.8	184.9	154.0	135.1	219.1	305.2	357.4	300.1	359.2	276.1	271.4
Appalachian Regional Commission	2	2	1	2	8	4	[illegible]	1.9	9	9	3
Consumer Product Safety Comm	1.4	1.1	6	1	5	4	9	8	8	2	0
Environmental Protection Agency	214.6	217.8	277.2	267.9	273.3	315.2	353.1	404.3	361.5	406.6	415.3
Federal Communications Comm	1.2	9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.2
Federal Emergency Management Agency	2.9	0	0	0	0	0	0	0	0	0	0
Federal Home Loan Bank Board[18]	2.8	3.3	3.4	3.4	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	1.7	1.8	5	4	4	5	1.0	1.3	9	9	9
General Services Admin[21]	4	9	1.6	2.3	5	7	0	0	0	0	0
Library of Congress	2.1	1.6	1.5	1.6	1.6	1.5	1.7	1.8	1.8	2.0	2.1
National Aeronautics & Space Administration	1,783.6	2,069.0	2,269.2	2,331.6	2,878.8	3,060.7	3,371.2	3,229.3	3,548.7	4,040.1	3,682.4
National Archives & Records Administration[21]	2	0	7	5	2	3	6	6	3	1	1
National Science Foundation	1,345.6	1,353.3	1,470.5	1,532.8	1,670.4	1,689.5	1,785.2	1,868.4	1,881.9	2,030.9	2,219.0
Nuclear Regulatory Commission	150.0	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	114.4	112.3

See explanatory information, if any, and SOURCE at end of table

Table C-96a. Federal obligations for research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Page 4 of 4

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Office of Thrift Supervision[18]	NA	NA	NA	NA	4.1	4.1	NA	NA	NA	NA	NA
Smithsonian Institution	71.1	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	104.0	106.0
Tennessee Valley Authority	14.4	17.8	17.7	18.5	14.6	21.7	18.8	24.4	27.9	32.5	34.7
United States Arms Control & Disarmament Agency	1.1	9	4	.8	1.2	.2	.4	2.1	1.5	1.3	1.1
US Information Agency[22]	1	1.6	0	.1	.0	.5	.1	.0	1.1	.7	2
US Internat'l Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	12.7	12.5

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[7] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[9] Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[10] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[11] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[12] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[13] The Bureau of Prisons was formerly listed as Federal Prison System.

[14] In 1984 the Labor Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[15] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[16] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[17] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[18] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[19] Formerly listed as Office of Protective Research

[20] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
= Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-97. Federal obligations for basic research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 3

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	2,387.7	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4
Departments											
Dept of Agriculture, total	145.6	154.2	171.4	204.5	242.7	256.4	275.7	314.1	330.8	362.0	392.6
Agricultural Research Svc[1]	85.5	91.2	101.7	125.6	142.4	148.2	157.8	186.4	192.9	215.3	240.6
Cooperative State Rsch Svc[2]	34.0	38.4	43.1	48.4	65.6	70.5	75.2	83.9	91.3	98.8	99.6
Economics, Stat & Coop Svc[3]	NA	NA	NA	3.8	3.9	6.4	NA	NA	NA	NA	NA
Economic Research Svc	5.4	3.2	3.6	NA	NA	NA	NA	3.6	3.9	3.9	4.4
Economics & Statistics Svc[4]	NA	NA	NA	NA	NA	NA	6.6	NA	NA	NA	NA
Forest Service	20.7	21.1	22.6	26.7	30.8	31.4	33.7	38.1	38.7	38.8	41.2
Nat'l Agricultural Stat Svc	-	.3	.4	NA	NA	NA	NA	.0	2.3	2.5	2.7
Office of International Cooperation & Development[5]	NA	NA	NA	NA	NA	.0	2.3	1.7	1.1	2.3	3.6
Office of Transportation[6]	NA	NA	NA	NA	NA	.0	.0	.5	.5	.5	.6
Department of Commerce, total	7.7	8.1	11.0	12.3	11.8	11.9	15.9	16.2	16.9	19.2	20.6
Bureau of the Census	.2	.2	.2	.2	.5	.6	.5	.4	.3	.3	.4
Economic Development Admin	.0	.0	1.7	1.0	2.7	.5	.3	.2	.0	.5	.0
Maritime Administration[7]	1.2	1.7	1.2	1.2	2.7	2.0	2.0	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	.0
National Fire Prevention & Control Administration	.0	.7	2.1	2.7	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	6.2	5.4	5.8	6.9	5.9	8.8	12.8	15.6	16.5	18.4	20.2
National Telecommunications & Information Administration	NA	NA	NA	.1	.0	.0	.0	.0	.0	.0	.0
Office of Telecommunications	.2	.1	.1	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	.0	.0	.0	.0	.0	.0	.3	.0	-	-	.0
Department of Defense, total	302.9	300.1	326.9	373.3	410.4	[illegible]1.5	540.3	604.3	686.7	785.6	847.9
Department of the Army	76.3	71.7	81.4	99.0	104.1	115.0	132.2	148.1	187.7	208.3	222.1
Department of the Navy	114.2	118.7	129.7	153.8	172.1	192.1	214.9	238.0	280.3	305.4	315.8
Department of the Air Force	77.5	78.9	83.9	84.8	95.1	105.0	108.2	125.8	145.8	164.2	192.4
Defense agencies	34.9	30.7	31.9	35.6	39.1	59.3	85.1	92.4	72.9	107.7	117.6
Department of Education	NA	NA	NA	NA	NA	20.6	17.6	20.6	14.2	14.2	12.2
Department of Energy[8, 9]	NA	NA	NA	389.5	440.5	463.0	523.1	586.3	642.2	767.7	830.4
Department of Health, Education, & Welfare, total	850.1	903.7	986.2	1,119.5	1,292.3	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	53.3	66.2	52.6	62.7	79.9	NA	NA	NA	NA	NA	NA
Health Resources Admin	7.4	.0	3.1	.0	.0	NA	NA	NA	NA	NA	NA
Health Services Admin	.6	1.2	.3	2.0	.6	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	4.8	1.9	5.1	11.9	18.3	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	775.3	828.5	920.3	1,032.8	1,181.1	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	.0	.0	.0	4.0	5.1	NA	NA	NA	NA	NA	NA
Office of Education	.2	.0	.0	.0	.0	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	.0	.0	.0	2.2	2.2	NA	NA	NA	NA	NA	NA
Office of Internat'l Health	2.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	4.2	4.1	4.9	4.0	5.1	NA	NA	NA	NA	NA	NA
Social Security Admin	1.6	1.8	.0	.0	.0	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-97. Federal obligations for basic research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 2 of 3

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Health & Human Services, total	NA	NA	NA	NA	NA	1,576.0	1,762.7	1,900.4	2,144.7	2,475.4	2,814.5
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	94.6	104.7	116.3	117.3	145.0	170.8
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	NA	.6	.8	8
Health Svcs Administration	NA	NA	NA	NA	NA	2.0	2.0	3.8	NA	NA	NA
Human Development Svcs[10]	NA	NA	NA	NA	NA	.0	.0	.4	.4	.0	.0
Nat'l Institutes of Health[11]	NA	NA	NA	NA	NA	1,463.7	1,642.3	1,766.8	2,020.7	2,313.0	2,624.8
Office of the Assistant Secretary for Health[12]	NA	NA	NA	NA	NA	13.6	11.6	12.4	5.7	16.6	18.1
Office of the Secretary	NA	NA	NA	NA	NA	2.1	2.0	.6	.0	.0	.0
Dept of the Interior, total	48.7	54.9	54.3	63.6	65.9	72.5	71.6	80.7	76.5	103.0	125.9
Bonneville Power Admin[8]	.0	.0	.0	.0	.0	.0	.0	.4	NA	NA	NA
Bureau of Mines	5.6	1.9	.8	4.0	8.6	13.7	11.5	13.6	15.9	23.5	40.5
Bureau of Reclamation	.1	-	.1	.1	.2	.1	.2	.1	.1	.1	.1
Geological Survey[13]	27.2	38.6	39.5	40.3	46.3	49.0	47.3	53.5	52.6	64.7	78.9
National Park Service	1.0	.6	.6	.0	.0	.0	.0	.0	.0	.0	.0
Office of the Secretary	.0	.0	1.0	3.2	1.7	1.4	2.2	1.5	.5	7.4	.1
Off of Water Rsch & Tech[13]	3.7	3.9	3.6	2.9	4.6	4.6	6.6	7.6	3.3	.5	.4
US Fish & Wildlife Service	11.0	9.9	8.8	13.1	4.5	3.7	3.8	3.9	4.1	6.9	5.9
Department of Justice, total	2.1	9.5	4.5	5.1	14.7	7.9	9.5	4.6	3.1	3.6	4.7
Office of Justice Programs	2.1	9.5	4.5	5.1	14.7	7.9	9.5	4.6	3.1	3.6	4.7
Department of Labor, total	1.2	.9	1.0	.7	3.7	2.3	3.9	3.7	6.5	5.3	5.0
Employment & Training Admin	.6	.5	.6	.6	3.5	1.8	3.9	3.7	6.5	5.3	5.0
Labor-Management Services Administration[14]	.6	.3	.3	.1	.2	.5	.0	.0	.0	.0	.0
Department of State, total	.0	1.5	.0	.0	.0	-	.0	.0	.0	.0	.0
Agcy for Internat'l Dvlpmt[15]	.0	1.5	.0	.0	.0	NA	NA	NA	NA	NA	NA
Departmental funds	.0	.0	.0	.0	.0	-	.0	.0	.0	.0	.0
Dept of Transportation, total	.3	.1	.0	.0	.0	.0	.0	1.2	1.0	.9	3.5
Coast Guard	.2	.1	.0	.0	.0	.0	.0	.3	.0	.4	.0
Maritime Administration[7]	NA	NA	NA	NA	NA	NA	NA	.7	1.0	.5	3.5
Office of the Secretary	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Research & Special Programs Administration	NA	NA	NA	.0	.0	.0	.0	.3	.0	.0	.0
Dept of the Treasury, total	.0	.0	.0	.0	.0	.2	1.7	2.3	2.2	3.5	4.0
Bureau of Engraving & Printing	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.8
Internal Revenue Service[16]	.0	.0	.0	.0	.0	.2	1.7	2.3	2.2	2.9	3.2
Department of Veterans Affairs	3.6	3.9	8.9	9.1	8.9	9.5	14.3	15.0	12.9	14.1	15.8

See explanatory information, if any, and SOURCE at end of table.

Table C-97. Federal obligations for basic research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 3 of 3

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Other agencies:											
Action	.1	.1	-	.1	.0	.0	.0	.0	.0	.0	.0
Agcy for Internat'l Dvlpmt[15]	NA	NA	NA	NA	NA	.0	.0	.0	.0	4.1	3.0
Civil Service Commission	.2	.6	.3	.4	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Comm	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
Energy Rsch & Dvlpmt Admin[9]	269.5	312.8	345.8	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	9.5	17.4	13.7	8.3	6.0	10.1	13.6	10.5	32.7	22.2	29.6
Federal Emergency Management Agency	NA	NA	NA	NA	2.8	3.0	2.6	2.6	1.4	.0	.0
Federal Trade Commission	.0	.0	.3	.4	.5	.4	1.5	.9	1.0	1.2	1.3
General Services Admin[17]	.5	.3	.1	.1	1.8	-	.0	.0	.0	.0	.1
Library of Congress	.0	.0	.2	.1	.1	.1	.1	.2	.1	.3	6
National Aeronautics & Space Administration	305.9	309.3	293.2	413.8	479.7	512.8	559.1	531.1	535.7	617.0	754.5
National Science Foundation	415.2	486.0	523.6	624.9	678.0	733.3	815.2	896.6	916.1	999.1	1,132.3
Office of Telecomm Policy	.0	.4	.4	NA	NA	NA	NA	NA	NA	NA	NA
Smithsonian Institution	24.7	24.8	25.7	29.7	34.9	36.9	41.0	44.9	52.4	56.0	63.6
Tennessee Valley Authority	.0	.0	.0	3.5	3.8	4.1	4.6	4.8	4.6	5.6	5.1
US Information Agency[18]	.0	.0	.0	.0	0	.0	.0	.1	.0	.0	.0

[1] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[2] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[3] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[4] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[7] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[8] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[9] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[10] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[11] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[12] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[13] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[14] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[15] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[16] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[17] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[18] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-97a. Federal obligations for basic research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Page 1 of 2

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	14,043.4	14,201.0
Departments:											
Dept of Agriculture, total	445.4	432.9	445.5	480.6	484.9	519.2	557.6	595.2	615.9	644.7	661.1
Agricultural Marketing Svc[1]	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0	.0
Agricultural Research Svc[2]	250.2	247.7	253.4	271.1	282.7	294.0	309.7	326.1	341.0	354.0	363.4
Cooperative State Rsch Svc[3]	141.5	131.7	132.8	145.8	142.6	153.7	170.4	189.6	192.5	205.3	204.9
Economic Research Svc	4.6	4.5	6.3	6.7	6.9	7.1	7.6	8.2	10.6	9.9	9.7
Foreign Agricultural Svc[4]	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.1	1.1
Forest Service	44.1	42.2	49.4	51.6	50.0	60.3	66.6	68.9	69.4	73.2	80.9
Nat'l Agricultural Stat Svc	2.8	2.6	1.1	1.2	1.0	.9	1.1	1.2	1.3	1.2	1.2
Office of International Cooperation & Development[4]	1.5	3.7	1.9	3.6	1.7	2.6	2.2	1.2	1.2	.0	.0
Office of Transportation[1]	.6	.5	.5	.5	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	23.2	26.5	25.8	30.9	29.1	31.4	34.3	34.5	37.2	40.8	52.0
Bureau of the Census	.4	.5	.7	1.3	1.2	2.8	2.4	.9	.4	.3	.4
National Institute of Standards & Technology	22.1	25.7	25.1	26.3	27.9	28.6	31.9	33.6	36.5	40.0	51.3
National Oceanic & Atmospheric Administration	.0	.0	.0	3.2	.0	.0	.0	.0	.3	.5	.4
Office of the Secretary	.8	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	861.4	923.9	907.6	876.9	947.9	947.6	994.2	1,098.9	1,268.2	1,341.4	1,244.1
Department of the Army	240.8	248.5	217.0	165.7	187.2	185.1	188.6	204.9	215.7	214.8	219.3
Department of the Navy	343.1	337.3	354.3	341.8	354.0	365.0	388.0	393.8	422.0	411.2	434.1
Department of the Air Force	198.3	216.5	221.6	196.4	202.8	197.0	209.2	205.8	218.7	208.4	209.9
Defense agencies	79.2	121.7	114.8	173.0	203.9	200.5	208.3	294.4	411.8	507.0	380.8
Department of Education	14.6	4.5	3.1	4.4	4.4	4.9	8.6	7.5	5.3	7.6	6.1
Department of Energy[5] [6]	942.6	959.7	1,068.5	1,184.8	1,410.9	1,504.8	1,686.5	1,736.4	1,754.8	1,692.9	1,664.9
Department of Health & Human Services, total	3,232.5	3,338.8	3,827.9	4,081.4	4,388.0	4,649.0	5,050.1	5,058.7	5,696.7	5,987.0	6,269.0
Alcohol, Drug Abuse, & Mental Health Administration	196.8	203.4	232.2	265.8	308.0	386.2	459.1	NA	NA	NA	NA
Health Resources & Services Administration	.9	1.0	1.3	1.1	1.2	1.2	1.5	1.3	1.1	.8	1.0
Nat'l Institutes of Health[7]	3,018.0	3,118.6	3,575.5	3,795.1	4,053.3	4,261.7	4,589.5	5,057.4	5,695.6	5,986.2	6,268.0
Office of the Assistant Secretary for Health[8]	16.9	15.8	18.9	19.4	25.6	.0	.0	.0	.0	.0	.0
Dept of the Interior, total	138.3	133.0	134.9	126.5	188.9	205.4	229.3	230.9	230.3	222.4	192.8
Bureau of Land Management	.0	.0	.0	.0	.0	.0	1.1	.6	.6	.0	.0
Bureau of Mines	49.9	44.9	45.6	32.1	43.9	40.6	42.8	43.7	44.6	42.3	32.6
Bureau of Reclamation	.3	.1	.1	.1	-	.1	.1	.0	.0	.0	.0
Geological Survey[9]	80.5	83.4	84.9	89.5	140.2	159.1	179.1	180.1	178.0	169.4	148.2
National Biological Survey	NA	NA	NA	NA	NA	NA	NA	NA	.0	10.0	11.4
National Park Service	.0	.0	.0	.0	.0	.0	.0	.0	.6	.7	.7
Office of the Secretary	1.9	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
US Fish & Wildlife Service	5.7	3.6	4.3	4.8	4.8	5.6	6.2	6.4	6.4	.0	.0

See explanatory information, if any, and SOURCE at end of table.

Table C-97a. Federal obligations for basic research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Page 2 of 2

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of Justice, total	4.2	5.3	8.1	7.6	6.8	8.8	6.4	5.3	5.0	5.2	4.6
Office of Justice Programs	4.2	5.3	8.1	7.6	6.8	8.8	6.4	5.3	5.0	5.2	4.6
Department of Labor, total	3.3	.9	1.4	.4	.3	.3	.3	.2	5.6	5.8	11.8
Bureau of Labor Statistics	.0	.0	.0	.0	.0	.0	.0	.0	5.4	5.6	11.6
Employment & Training Admin	3.3	.9	1.4	.4	.3	.3	.3	.2	.2	.2	.2
Pension Benefit Guaranty Corporation	.0	.0	.0	.0	.0	.0	.0	-	.0	-	.0
Department of State, total	.0	.0	2.6	3.1	3.4	3.5	4.6	4.9	4.8	.1	.1
Dept of Transportation, total	1.1	.6	.2	.0	.0	.0	.0	1.2	1.7	4.2	2.3
Federal Highway Admin	.0	.0	.0	.0	.0	.0	.0	1.2	1.7	4.2	2.3
Maritime Administration[10]	1.1	.6	.2	.0	.0	.0	.0	.0	.0	.0	.0
Dept of the Treasury, total	4.8	5.1	4.7	4.8	3.4	3.4	3.6	3.6	6.5	14.4	17.1
Bureau of Engraving & Printing	.3	.4	.1	.1	.5	.0	.0	.0	.0	.1	.0
Internal Revenue Service[11]	4.4	4.5	4.4	4.7	2.9	3.4	3.6	3.6	6.5	14.3	17.1
United States Secret Svc[12]	.0	.2	.2	.1	.0	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	15.4	14.8	17.2	17.3	16.6	16.2	16.1	15.7	13.3	14.3	10.6
Other agencies											
Agcy for Internat'l Dvlpmt[13]	1.7	4.3	2.8	3.0	3.1	5.0	5.7	5.8	8.4	6.0	6.9
Environmental Protection Agency	38.6	38.5	31.1	27.2	50.7	73.6	91.2	110.4	89.1	100.3	109.9
Federal Trade Commission	1.5	1.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
General Services Admin[14]	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	.6	.4	.4	.4	.4	.3	.4	.4	.3	.4	.5
National Aeronautics & Space Administration	750.9	916.7	1,013.7	1,112.7	1,417.4	1,636.9	1,705.6	1,738.2	1,800.1	1,966.0	1,785.6
National Archives & Records Administration[14]	.1	.0	.5	.2	.1	.2	.4	.5	.2	.0	.0
National Science Foundation	1,261.8	1,275.2	1,371.2	1,433.2	1,562.6	1,586.3	1,676.2	1,741.5	1,743.8	1,875.3	2,043.8
Smithsonian Institution	71.1	63.3	71.5	75.1	80.2	84.0	98.0	98.0	102.0	104.0	106.0
Tennessee Valley Authority	5.5	7.3	3.9	3.2	2.9	4.7	1.9	2.1	9.9	10.6	11.8

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[1] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[3] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[4] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994

[5] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy

[6] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[7] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health

[9] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[10] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[11] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[12] Formerly listed as Office of Protective Research

[13] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81

[14] As of 1985 the National Archives and Records Administration is separate from the General Services Administration

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY:
NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development. Fiscal Years 1993, 1994, and 1995

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Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	3,787.6	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4
Departments:											
Dept of Agriculture, total	219.5	247.8	270.9	319.6	351.8	375.5	381.8	426.9	435.7	455.5	442.2
Agricultural Coop Svc[1]	1.4	1.2	1.2	.0	.0	.0	1.6	1.7	1.7	2.1	2.2
Agricultural Marketing Svc[2]	NA	NA	NA	NA	NA	.4	1.0	.9	1.0	1.1	1.2
Agricultural Research Svc[3]	107.9	112.9	125.9	155.4	161.3	172.7	170.8	181.5	186.2	202.6	183.7
Cooperative State Rsch Svc[4]	55.4	62.7	70.3	78.9	91.9	102.1	109.0	115.5	127.7	133.5	136.2
Economics, Stat & Coop Svc[5]	NA	NA	NA	25.9	28.8	29.1	NA	NA	NA	NA	NA
Economic Research Svc	12.7	18.1	20.4	NA	NA	NA	NA	35.8	35.3	34.9	39.3
Economics & Statistics Svc[6]	NA	NA	NA	NA	NA	NA	24.5	NA	NA	NA	NA
Forest Service	41.6	52.2	51.9	59.4	69.8	71.1	72.3	81.8	69.0	65.1	63.9
Human Nutrition Info Svc	NA	NA	NA	NA	NA	NA	NA	.0	8.5	8.2	6.0
Nat'l Agricultural Library	.1	-	-	NA	NA	NA	NA	NA	NA	NA	NA
Nat'l Agricultural Stat Svc	.4	.7	1.1	NA	NA	NA	NA	7.5	4.7	5.1	5.5
Office of International Cooperation & Development[7]	NA	NA	NA	NA	NA	.0	2.6	1.9	1.2	2.5	3.9
Office of Transportation[2]	NA	NA	NA	NA	NA	.0	.0	.3	.3	.3	.3
Department of Commerce, total	121.5	136.3	144.7	163.8	181.0	207.6	238.5	233.2	259.2	265.6	276.1
Bureau of the Census	.5	.4	2.0	1.8	1.8	1.2	1.4	2.6	1.6	1.9	2.0
Economic Development Admin	.9	1.1	.4	1.5	3.2	8.0	2.2	1.6	1.6	4.8	5.1
Maritime Administration[8]	4.6	4.0	3.8	2.5	4.3	10.2	10.1	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	.2	.9	.4	.5	.0	.0	.0	.0	.0	.0	.0
National Fire Prevention & Control Administration	.0	-	1.1	1.8	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	26.5	29.4	31.7	38.0	42.6	43.0	46.1	50.6	57.4	63.1	63.5
National Oceanic & Atmospheric Administration	87.1	99.7	104.9	115.8	127.9	142.7	168.8	168.5	188.5	188.9	197.7
National Telecommunications & Information Administration	NA	NA	NA	1.9	1.1	2.4	9.6	9.9	10.1	6.9	7.7
Office of Telecommunications	1.5	.5	.2	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	.0	.0	.0	.0	.0	.1	.2	.0	.0	.0	-
Patent & Trademark Office	.2	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	1,131.5	1,130.9	1,200.6	1,342.6	1,413.6	1,542.6	1,721.4	1,996.6	2,266.1	2,437.0	2,200.7
Department of the Army	290.1	264.7	281.0	299.0	305.7	333.6	347.1	388.4	451.6	485.3	486.7
Department of the Navy	287.1	287.8	308.3	343.6	354.2	375.2	396.2	460.0	498.4	521.6	449.6
Department of the Air Force	264.1	276.9	298.4	341.0	353.6	387.2	429.1	491.5	488.1	524.2	547.7
Defense agencies	287.3	299.9	312.2	357.8	392.5	446.6	549.1	656.7	828.1	905.9	716.6
Defense Civil Preparedness Agency	2.7	1.7	.7	1.3	7.5	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 2 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Education	NA	NA	NA	NA	NA	72.8	70.0	33.2	56.3	61.9	68.7
Department of Energy[9 10]	NA	NA	NA	501.8	661.7	668.9	754.2	827.3	1,053.9	1,193.4	1,194.5
Department of Health, Education, & Welfare, total	996.6	1,021.1	1,164.6	1,294.8	1,448.4	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	102.3	73.2	84.1	89.3	98.8	NA	NA	NA	NA	NA	NA
Centers for Disease Control	44.9	42.6	49.6	55.3	60.1	NA	NA	NA	NA	NA	NA
Food & Drug Administration	43.5	35.9	37.1	42.9	64.1	NA	NA	NA	NA	NA	NA
Health Care Financing Admin	NA	NA	NA	30.0	19.4	NA	NA	NA	NA	NA	NA
Health Resources Admin	2.3	16.7	27.9	7.4	5.0	NA	NA	NA	NA	NA	NA
Health Services Admin	8.7	9.4	9.2	7.5	10.0	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	4.7	2.2	5.7	15.2	16.3	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	714.3	775.7	847.4	935.9	1,051.5	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Education	.0	.6	1.0	1.0	1.3	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	.0	.0	.0	24.6	27.5	NA	NA	NA	NA	NA	NA
Office of Education	6.3	5.3	21.4	11.9	13.3	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	17.2	7.1	34.6	46.5	42.9	NA	NA	NA	NA	NA	NA
Office of the Secretary	25.6	22.2	18.8	16.0	25.1	NA	NA	NA	NA	NA	NA
Social & Rehabilitation Svc	8.9	9.6	18.6	NA	NA	NA	NA	NA	NA	NA	NA
Social Security Admin	17.8	20.8	9.1	11.2	12.9	NA	NA	NA	NA	NA	NA
Department of Health & Human Services, total	NA	NA	NA	NA	NA	1,439.7	1,570.1	1,591.9	1,460.9	1,545.4	1,651.5
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	118.9	128.8	121.4	128.7	155.4	165.2
Centers for Disease Control	NA	NA	NA	NA	NA	76.3	87.3	74.8	75.0	78.2	46.3
Food & Drug Administration	NA	NA	NA	NA	NA	61.0	75.4	71.4	73.0	74.2	77.8
Health Care Financing Admin	NA	NA	NA	NA	NA	31.8	45.7	38.6	29.1	30.2	33.1
Health Resources Admin	NA	NA	NA	NA	NA	4.9	5.1	5.0	NA	NA	NA
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	NA	6.1	10.2	15.4
Health Svcs Administration	NA	NA	NA	NA	NA	8.2	6.0	6.4	NA	NA	NA
Human Development Svcs[11]	NA	NA	NA	NA	NA	14.9	19.1	39.5	8.3	6.9	4.5
Nat'l Institutes of Health[12]	NA	NA	NA	NA	NA	1,066.4	1,145.1	1,181.5	1,103.8	1,165.2	1,285.6
Office of the Assistant Secretary for Health[13]	NA	NA	NA	NA	NA	16.3	14.1	16.3	8.2	.0	.0
Office of the Secretary	NA	NA	NA	NA	NA	22.6	22.0	18.9	13.1	14.4	10.0
Social Security Admin	NA	NA	NA	NA	NA	18.3	21.4	18.0	15.5	10.8	13.5
Dept of Housing & Urban Dvlpmt	33.8	33.5	36.9	32.7	30.5	23.8	19.6	16.7	10.3	11.3	6.3

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 3 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Dept of the Interior, total	94.8	179.1	205.1	192.4	217.6	266.9	282.8	289.2	275.0	254.7	254.3
Bonneville Power Admin[9]	.4	.5	.5	.0	.0	.0	.0	6.1	NA	NA	NA
Bureau of Land Management	.6	.7	.7	.8	1.0	1.1	1.3	1.5	2.4	2.0	1.8
Bureau of Mines	24.9	51.0	72.5	48.3	48.4	65.4	71.3	54.4	65.2	55.9	56.7
Bureau of Reclamation	6.8	7.3	7.9	9.2	10.4	11.3	12.7	13.3	8.9	8.7	8.8
Geological Survey[14]	39.0	68.0	70.8	77.2	87.4	96.1	98.5	115.8	99.4	89.9	125.1
Heritage Conservation & Recreation Service	-	-	-	-	NA	NA	NA	NA	NA	NA	NA
Minerals Management Service	NA	NA	NA	NA	NA	NA	NA	NA	.0	1.5	1.5
National Park Service	1.5	7.7	8.7	7.5	7.7	8.9	8.2	10.4	11.2	13.7	14.0
Office of the Secretary	.4	1.3	.1	1.4	.0	.0	.0	.0	.0	.0	.0
Office of Surface Mining Reclamation & Enforcement	NA	NA	NA	.0	2.2	5.0	7.5	5.8	1.5	1.5	.8
Off of Water Rsch & Tech[14]	11.2	11.6	10.4	9.4	10.8	13.2	11.8	8.2	6.8	.8	3.2
US Fish & Wildlife Service	9.9	31.0	33.7	38.6	49.7	65.9	71.4	73.9	79.6	80.6	42.3
Department of Justice, total	16.5	9.4	13.8	12.5	31.0	20.9	19.2	14.9	13.2	17.1	13.2
Bureau of Prisons[15]	.0	.0	.0	.1	.7	.5	.9	1.7	.9	1.3	1.2
Drug Enforcement Admin	1.7	.9	.5	.9	.5	.7	.8	.4	1.3	.9	.7
Immigration & Naturalization Service	.0	-	.1	.1	.2	.1	.2	.1	.3	.3	.3
Office of Justice Programs	14.8	8.5	13.2	11.3	28.6	18.0	16.1	12.0	10.3	14.4	11.0
Office of Legal Policy	.0	.0	.0	.0	1.1	1.6	1.3	.7	.4	.2	.0
Department of Labor, total	16.0	14.4	17.0	18.0	22.0	39.8	32.6	54.5	10.6	12.7	11.2
Bureau of Labor Statistics	.6	.7	.8	.9	.8	.9	.9	.3	.3	.7	.5
Employment Standards Admin	.9	3.2	4.3	4.4	3.7	5.3	4.9	3.2	1.4	1.4	.9
Employment & Training Admin	11.1	6.6	6.9	5.8	11.4	24.2	16.2	45.1	2.1	2.6	1.0
Labor-Management Relations & Cooperative Programs[16]	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.3
Labor Management Services Administration[16]	.6	.5	.4	3.2	2.6	2.7	2.8	1.8	.7	.9	.0
Occupational Safety & Health Administration	.5	1.4	2.9	3.4	1.3	5.1	6.3	3.0	4.9	5.3	5.1
Office of the Secretary	2.3	2.0	1.8	.2	2.2	1.6	1.4	1.1	.9	1.5	1.9
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	NA	.1	.3	.3	.3
Pension & Welfare Benefit Administration	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.2

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 4 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of State, total	17.8	21.0	25.1	38.3	49.1	2.6	2.0	1.6	1.5	1.5	1.6
Agcy for Internat'l Dvlpmt[17]	16.8	20.2	24.0	36.2	46.6	NA	NA	NA	NA	NA	NA
Departmental funds	1.1	.7	1.1	2.1	2.5	2.6	2.0	1.6	.0	.0	.0
Dept of Transportation, total	61.5	53.8	31.1	51.8	66.5	67.0	82.4	87.4	65.7	71.7	74.2
Coast Guard	6.6	4.2	2.6	2.5	2.3	10.9	8.1	14.7	1.7	.8	7.2
Federal Aviation Admin	13.9	14.1	3.6	4.7	6.8	7.5	8.2	8.2	7.0	12.5	15.0
Federal Highway Admin	3.3	3.4	1.9	5.3	4.9	4.4	4.6	5.1	5.3	7.3	6.1
Federal Railroad Admin	1.6	2.7	8.6	6.6	9.2	7.5	7.9	6.2	3.1	2.8	12.3
Federal Transit Admin[18]	6.2	2.9	.6	1.0	1.1	1.1	8.9	9.3	19.4	18.3	1.0
Maritime Administration[8]	NA	NA	NA	NA	NA	NA	NA	8.9	5.6	5.7	5.1
National Highway Traffic Safety Administration	14.9	12.0	9.9	27.5	38.0	30.0	38.6	29.4	21.3	21.4	24.7
Office of the Secretary	15.1	14.4	3.9	4.2	4.1	.6	.6	.7	.3	.3	.9
Research & Special Programs Administration	NA	NA	NA	.0	.1	5.0	5.5	4.9	2.1	2.6	1.8
Dept of the Treasury, total	.5	.4	1.5	2.1	4.1	4.5	4.0	2.9	5.9	6.7	6.6
Bureau of Alcohol, Tobacco, & Firearms	.0	.0	.0	.4	.4	.7	.3	.1	NA	NA	NA
Bureau of Engraving & Printing	.5	.4	1.5	1.7	1.9	.6	1.3	.9	2.8	1.4	1.4
Internal Revenue Service[19]	.0	.0	.0	.0	1.8	3.3	2.2	1.8	3.1	5.0	4.9
United States Customs Svc	.0	.0	.0	.0	.0	.0	.1	.1		.0	.1
United States Secret Svc[20]	NA	NA	NA	NA	NA	NA	.0	.0	.0	.3	.1
Department of Veterans Affairs	75.2	83.3	76.2	83.2	90.5	101.8	103.6	112.7	110.1	132.0	156.1
Other agencies:											
Action	-	.1	-	-	.2	.0	.0	.0	.0	.0	.0
Advisory Commission on Intergovernmental Relations	1.1	1.2	1.0	1.5	1.7	1.7	2.2	2.2	2.0	2.1	2.1
Agcy for Internat'l Dvlpmt[17]	NA	NA	NA	NA	NA	66.9	79.7	86.4	127.9	152.6	164.0
Appalachian Regional Commission	NA	NA	.7	.6	.3	.7	.6	.3	.3	.2	.4
Civil Service Commission	1.1	1.0	.8	.7	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	.5	.2	.0	1.0	2.0	1.8	1.3	1.9	NA	NA	NA
Consumer Product Safety Comm	2.6	3.0	3.5	3.7	.9	1.8	1.6	.2	.1	.3	1.1
Energy Rsch & Dvlpmt Admin[10]	195.2	280.7	400.7	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	86.8	124.3	141.7	197.0	246.7	248.9	231.5	207.8	210.7	152.4	142.3
Federal Communications Comm	.9	1.1	1.5	2.0	2.4	2.9	3.4	1.8	1.2	1.3	.9
Federal Emergency Management Agency	NA	NA	NA	NA	1.9	6.7	6.7	6.4	7.8	3.3	6.1
Federal Energy Administration	.0	.2	1.0	NA	NA	NA	NA	NA	NA	NA	NA
Federal Home Loan Bank Board[21]	.7	.7	.8	1.7	1.0	.9	1.2	1.0	2.7	3.0	2.6
Federal Trade Commission	.9	.9	.6	.8	.9	1.1	1.5	.2	.2	.2	.2
General Services Admin[22]	.9	.6	.3	.3	.4	.1	.1	.4	.5	.2	.4
Interstate Commerce Commission	.0	.0	.1	.1	.3	.2	.1	.0	.0	.0	.0
Library of Congress	.4	.4	.3	.3	.4	.5	.5	.7	.7	1.0	1.5
National Aeronautics & Space Administration	539.8	625.8	929.6	792.3	865.4	938.4	1,050.5	876.0	871.4	927.8	954.7
National Science Foundation	105.0	84.0	72.1	63.4	65.5	66.8	58.4	58.9	57.1	62.9	70.5
Nuclear Regulatory Commission	42.3	64.2	88.4	112.3	133.9	148.8	182.7	219.7	220.3	207.3	190.7

See explanatory information, if any, and SOURCE at end of table.

Table C-98. Federal obligations for applied research, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 5 of 5

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Office of Personnel Management	NA	NA	NA	NA	1.0	1.4	2.6	3.4	.0	.0	.0
Office of Telecomm Policy	0.3	2.1	1.5	NA	NA	NA	NA	NA	NA	NA	NA
Office of Thrift Supervision[21]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Small Business Administration	.0	.2	.1	0.5	.0	.0	.0	.0	.0	.0	.0
Special Action Office for Drug Abuse Prevention	11.1	3.8	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	11.6	14.7	16.5	19.3	9.7	12.4	11.2	9.4	8.1	6.7	9.2
United States Arms Control & Disarmament Agency	1.1	1.0	1.4	1.8	2.5	2.7	3.0	1.6	1.3	.8	1.2
US Information Agency[23]	.1	.1	.1	.1	.1	.1	.1	1.0	.0	-	1.4
US Internat'l Trade Commission	.0	.0	1.5	2.6	3.1	3.4	2.1	3.4	3.8	4.7	5.0

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80

[5] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79

[6] Includes programs of the Economic Research Service and the Statistical Reporting Service for fiscal year 1980

[7] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[8] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[9] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[10] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[11] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[12] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[13] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[14] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[15] The Bureau of Prisons was formerly listed as Federal Prison System.

[16] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[17] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[18] Name changed from Urban Mass Transit Administration on Dec. 18, 1991

[19] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission

[20] Formerly listed as Office of Protective Research

[21] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury

[22] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[23] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Page 1 of 4

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,990.2	13,960.2
Departments:											
Dept of Agriculture, total	465.6	463.5	473.4	504.6	517.3	542.1	617.9	665.8	635.8	662.8	653.9
Agricultural Coop Svc[1]	2.9	2.6	2.7	2.7	2.8	2.7	2.8	3.4	2.9	2.4	3.6
Agricultural Marketing Svc[2]	1.3	1.3	1.2	1.3	1.3	1.7	3.7	4.1	4.1	4.2	4.2
Agricultural Research Svc[3]	191.8	188.3	201.1	208.2	209.4	218.2	241.1	257.1	233.3	244.8	251.3
Animal & Plant Health Inspection Service	.0	4.2	4.9	5.6	7.4	.0	.0	.0	.0	.0	.0
Cooperative State Rsch Svc[4]	142.8	137.4	138.0	152.6	164.7	170.5	206.4	228.6	226.2	235.8	202.3
Economic Research Svc	41.7	40.1	38.5	41.4	42.6	43.5	46.8	50.6	48.3	45.3	44.0
Federal Grain Inspection Svc	.8	.6	.7	.6	.8	.2	.7	1.5	1.8	1.8	1.8
Foreign Agricultural Svc[5]	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4	.4
Forest Service	65.7	67.5	73.5	79.9	77.5	93.5	103.6	106.9	107.8	114.1	125.6
Human Nutrition Info Svc	6.7	12.8	6.8	8.2	8.4	9.0	9.9	10.7	8.4	11.7	18.4
Nat'l Agricultural Stat Svc	5.6	5.4	2.3	2.4	1.9	1.9	2.2	2.4	2.6	2.3	2.4
Office of International Cooperation & Development[5]	5.8	2.9	3.3	1.2	.6	.9	.7	.4	.4	.0	0
Office of Transportation[2]	.5	.4	.4	.4	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	301.0	312.9	312.8	311.5	321.9	345.6	415.4	561.4	544.9	766.8	860.3
Bureau of the Census	2.1	2.1	2.1	2.4	1.8	2.1	2.3	2.4	2.9	2.9	3.0
Economic Development Admin	2.0	2.3	5.0	4.2	1.0	1.2	1.4	.5	.0	.5	.5
National Institute of Standards & Technology	64.5	63.5	64.3	72.6	77.6	83.2	92.5	115.8	136.4	251.1	387.6
National Oceanic & Atmospheric Administration	224.4	237.5	234.4	225.0	234.6	252.4	315.6	438.7	401.4	507.8	464.9
National Telecommunications & Information Administration	7.9	7.6	7.0	7.3	6.9	6.8	3.6	4.0	4.2	4.6	4.5
Office of the Secretary	.1	.0	-	0	0	.0	0	0	0	.0	0
Department of Defense, total	2,306.9	2,303.3	2,440.0	2,362.2	2,708.2	2,581.6	2,723.8	2,974.5	3,515.2	3,044.0	3,018.5
Department of the Army	582.6	578.8	692.9	588.0	636.3	595.2	671.9	727.8	802.8	661.8	592.7
Department of the Navy	448.2	447.1	432.5	406.0	429.2	442.6	486.0	499.0	574.1	441.9	514.8
Department of the Air Force	538.4	542.5	563.2	576.7	604.6	579.3	621.2	584.7	669.1	662.0	666.9
Defense agencies	737.7	735.0	751.3	791.5	1,038.1	964.6	944.7	1,162.9	1,469.2	1,278.4	1,244.1

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of Education	77.3	91.3	103.8	106.6	117.5	125.3	123.1	119.5	128.3	132.9	131.2
Department of Energy[6, 7]	1,198.4	1,080.7	1,029.4	1,050.6	1,020.8	1,065.7	1,587.2	1,676.1	1,685.4	1,700.1	1,716.1
Department of Health & Human Services, total	1,795.8	1,850.8	2,194.0	2,415.6	2,700.4	2,818.1	3,112.4	2,886.8	3,495.9	3,750.7	3,851.9
Administration on Aging[8]	NA	NA	NA	NA	NA	NA	2.9	2.5	2.7	2.5	2.7
Administration for Children & Families[8, 9]	NA	NA	NA	NA	NA	0	13.5	34.3	18.5	14.8	14.6
Agency for Health Care Policy & Research[10]	NA	NA	NA	NA	NA	44.2	93.0	97.8	105.6	129.9	99.5
Alcohol, Drug Abuse, & Mental Health Administration	179.7	191.5	241.1	286.6	384.7	415.0	463.9	NA	NA	NA	NA
Centers for Disease Control	47.6	52.2	66.2	88.7	117.8	95.6	113.4	146.9	162.5	202.9	202.9
Food & Drug Administration	82.1	79.4	85.0	91.0	99.0	99.0	125.0	135.7	154.5	168.3	168.6
Health Care Financing Admin	33.5	29.0	27.3	28.2	49.1	49.1	69.1	75.5	66.2	86.0	68.6
Health Resources & Services Administration	17.3	11.2	8.0	9.0	9.3	10.7	9.5	8.8	8.5	8.3	7.3
Human Development Svcs[8]	5.8	6.8	9.4	7.1	8.5	7.7	NA	NA	NA	NA	NA
Nat'l Institutes of Health[11]	1,410.1	1,469.0	1,739.1	1,885.6	2,008.5	2,074.1	2,193.5	2,341.3	2,942.9	3,093.8	3,252.7
Office of the Assistant Secretary for Health[10]	.0	.0	.0	.0	.0	5.8	9.6	6.0	.0	.0	.0
Office of the Secretary	9.4	6.1	8.2	4.7	7.8	5.0	8.8	5.0	8.0	11.7	13.0
Social Security Admin	10.4	5.6	9.8	14.7	15.8	11.8	10.2	33.0	24.5	32.5	22.0
Dept of Housing & Urban Dvlpmt	6.5	5.3	5.5	6.3	6.1	6.6	9.4	8.8	8.1	14.1	14.8
Dept of the Interior, total	231.0	234.9	247.3	266.0	253.0	269.8	324.1	339.7	349.8	360.7	391.7
Bureau of Land Management	2.8	2.1	2.1	2.2	2.0	2.1	4.8	5.3	7.4	.0	.0
Bureau of Mines	36.7	36.6	39.6	54.1	49.3	49.3	56.2	59.2	60.4	62.2	61.0
Bureau of Reclamation	10.9	9.6	10.1	3.6	3.5	5.2	7.7	10.7	7.4	7.2	4.5
Geological Survey[12]	130.0	127.8	131.7	135.8	126.8	134.2	159.3	164.3	165.9	177.3	200.4
Minerals Management Service	1.4	1.1	1.0	1.2	2.2	1.9	2.7	3.8	5.8	5.0	5.1
National Biological Survey	NA	NA	NA	NA	NA	NA	NA	NA	.0	90.3	102.2
National Park Service	15.0	17.3	18.5	19.4	19.4	20.1	27.5	31.1	37.5	18.7	18.5
Office of the Secretary	.0	.0	.0	.1	.0	.0	.1	.2	.2	.0	.0
Office of Surface Mining Reclamation & Enforcement	2.0	2.3	1.0	1.0	.7	.7	1.0	.3	.5	.0	.0
US Fish & Wildlife Service	32.2	38.1	43.3	48.7	49.1	56.4	64.8	64.8	64.8	.0	.0
Department of Justice, total	15.1	17.0	11.8	9.8	10.7	11.1	14.7	15.0	20.5	17.8	17.8
Bureau of Prisons[13]	1.1	2.7	2.2	2.1	2.1	1.8	1.9	2.5	2.5	2.5	2.5
Drug Enforcement Admin	.5	.8	.7	.6	.5	.4	.9	.1	-	.1	.1
Immigration & Naturalization Service	.2	.2	.2	.3	.1	.4	.4	.4	.4	.4	.4
Office of Justice Programs	13.0	13.2	8.6	6.8	8.0	8.5	11.5	12.0	17.6	14.9	14.9
Office of Legal Policy	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0
Department of Labor, total	9.1	8.7	19.0	26.4	21.8	21.3	24.0	23.6	13.4	15.3	18.4
Bureau of Labor Statistics	.6	.6	6.5	7.0	7.0	7.3	7.5	7.6	1.5	1.5	1.5
Employment Standards Admin	-	.0	1.0	.1	.1	.1	.0	.0	.0	.0	.0
Employment & Training Admin	.3	2.6	4.0	6.5	5.7	5.7	6.3	5.4	3.3	3.9	5.6
Labor-Management Relations & Cooperative Programs[14]	.3	.2	.3	.4	.3	.0	.0	NA	NA	NA	NA
Occupational Safety & Health Administration	4.5	3.6	4.1	4.2	4.5	2.5	2.6	3.1	2.5	3.7	5.4
Office of the Secretary	1.7	1.3	1.8	5.2	2.5	3.3	4.7	4.1	2.9	3.1	3.1
Pension Benefit Guaranty Corporation	.2	.1	.3	.3	.3	.3	.4	.8	.7	.5	.2
Pension & Welfare Benefit Administration	1.6	.3	1.0	2.7	1.4	2.1	2.5	2.6	2.6	2.6	2.7

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Page 3 of 4

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of State, total	1.5	1.5	0.3	1.0	1.3	1.2	1.3	0.7	0.5	0.5	0.5
Dept of Transportation, total	70.2	67.6	68.6	91.2	120.5	119.2	114.6	155.7	224.4	344.8	308.0
Coast Guard	5.4	3.5	3.7	5.4	4.6	5.1	6.4	5.0	8.2	5.9	5.1
Federal Aviation Admin	17.3	14.0	11.1	13.3	23.6	26.1	24.0	30.1	59.8	75.3	72.7
Federal Highway Admin	6.3	14.7	20.7	43.7	56.6	57.6	46.1	72.0	90.1	201.6	166.4
Federal Railroad Admin	11.4	12.5	10.4	8.2	7.5	8.5	13.2	18.9	20.9	20.9	16.7
Federal Transit Admin[15]	.5	.0	.0	.0	.0	.0	.0	.0	10.9	11.8	16.6
Maritime Administration[16]	7.0	6.2	3.1	.5	.0	.9	1.7	1.8	1.7	1.7	3.6
National Highway Traffic Safety Administration	20.9	16.1	18.9	19.1	26.2	16.9	21.4	25.8	31.6	25.3	24.5
Office of the Secretary	.9	.4	.4	.7	1.3	1.7	.6	.7	.6	.7	.9
Research & Special Programs Administration	.5	.3	.2	.4	.7	2.4	1.4	1.4	.5	1.4	1.4
Dept of the Treasury, total	13.6	12.7	12.7	11.1	13.0	15.3	20.6	17.2	4.6	5.6	3.7
Bureau of Engraving & Printing	3.1	2.7	2.7	1.1	.9	1.4	2.7	1.8	3.2	4.2	2.0
Internal Revenue Service[17]	10.2	9.5	9.7	9.0	11.3	13.1	13.9	13.9	.0	.0	.0
Off of Thrift Supervision[18]	NA	NA	NA	NA	NA	.0	3.0	.8	.7	.4	.5
United States Customs Svc	.1	.2	.2	.7	.4	.4	.5	.2	.1	.4	.7
United States Secret Svc[19]	.2	.2	.1	.3	.4	.5	.4	.5	.6	.6	.6
Department of Veterans Affairs	193.7	155.1	173.1	178.8	197.1	199.4	177.7	185.2	194.1	210.3	175.1
Other agencies:											
Advisory Commission on Intergovernmental Relations	2.4	2.1	1.9	1.8	1.1	1.5	1.7	1.7	2.1	1.2	1.6
Agcy for Internat'l Dvlpmt[20]	158.1	180.7	151.2	132.1	216.0	300.2	351.7	294.2	350.8	270.2	264.5
Appalachian Regional Commission	.2	.2	.1	.2	.8	.4	.7	1.9	.9	.9	.9
Consumer Product Safety Comm	1.4	1.1	.6	.1	.5	.4	.9	.8	.8	.2	.0
Environmental Protection Agency	176.0	179.3	246.1	240.7	222.6	241.6	261.9	293.9	272.4	306.3	305.3
Federal Communications Comm	1.2	.9	1.0	1.2	1.1	1.3	1.4	1.6	1.6	1.7	2.2
Federal Emergency Management Agency	2.9	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Federal Home Loan Bank Board[18]	2.8	3.3	3.4	3.4	NA	NA	NA	NA	NA	NA	NA
Federal Trade Commission	.3	.3	.5	.4	.4	.5	1.0	1.3	.9	.9	.9
General Services Admin[21]	.3	.9	1.6	2.3	.5	.7	.0	.0	.0	.0	.0
Library of Congress	1.5	1.1	1.1	1.2	1.2	1.2	1.3	1.4	1.4	1.6	1.6
National Aeronautics & Space Administration	1,032.7	1,152.3	1,255.5	1,218.9	1,461.4	1,423.8	1,665.6	1,491.1	1,748.6	2,074.1	1,896.8
National Archives & Records Administration[21]	.1	.0	.3	.3	.1	.1	.3	.1	.1	.1	.1
National Science Foundation	83.8	78.1	99.3	99.6	107.8	103.3	109.0	126.9	138.1	155.6	175.2
Nuclear Regulatory Commission	150.0	123.8	122.5	108.5	114.8	108.8	108.8	119.0	119.8	114.4	112.3

See explanatory information, if any, and SOURCE at end of table.

Table C-98a. Federal obligations for applied research, by selected agency: fiscal years 1985-95

[Dollars in millions]

Page 4 of 4

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Office of Thrift Supervision[18]	NA	NA	NA	NA	4.1	4.1	NA	NA	NA	NA	NA
Tennessee Valley Authority	8.9	10.5	13.8	15.3	11.7	17.0	16.9	22.2	18.1	22.0	23.0
United States Arms Control & Disarmament Agency	1.1	.9	.4	.8	1.2	.2	.4	2.1	1.5	1.3	1.1
US Information Agency[22]	.1	1.6	.0	.1	.0	.5	.1	.0	1.1	.7	.2
US Internat'l Trade Commission	5.8	6.9	7.2	8.1	8.7	9.1	9.9	12.3	12.2	12.7	12.5

[1] Includes programs of the Farmer Cooperative Service for fiscal years 1970-76.

[2] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[3] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[4] Includes former Cooperative State Research Service of the Science and Education Administration for fiscal years 1978-80.

[5] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[6] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[7] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[9] Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[10] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[11] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[12] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[13] The Bureau of Prisons was formerly listed as Federal Prison System.

[14] In 1984 the Labor-Management Services Administration was replaced by Labor-Management Relations and Cooperative Programs.

[15] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[16] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[17] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[18] In 1989 the Federal Home Loan Bank Board was replaced by the Office of Thrift Supervision. In 1990 the Office of Thrift Supervision became part of the Department of the Treasury.

[19] Formerly listed as Office of Protective Research.

[20] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[21] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[22] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-99. Federal obligations for development, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 1 of 3

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all agencies	11,234.9	12,309.1	13,160.3	14,936.3	16,238.4	17,610.1	18,233.1	20,891.1	23,410.4	24,458.0	27,246.1
Departments											
Dept of Agriculture, total	13.6	18.1	20.2	22.9	26.8	31.1	30.2	33.0	30.8	30.0	31.3
Agricultural Marketing Svc[1]	NA	NA	NA	NA	NA	.5	.3	.2	.2	.3	.3
Agricultural Research Svc[2]	10.2	13.0	14.5	18.0	21.8	24.9	23.3	26.2	25.8	25.5	27.0
Economics, Stat & Coop Svc[3]	NA	NA	NA	.8	.0	.0	NA	NA	NA	NA	NA
Forest Service	3.2	4.9	5.4	4.2	5.0	5.0	5.5	6.2	4.5	3.8	3.3
Nat'l Agricultural Stat Svc	.2	.2	.3	NA	NA	NA	NA	.0	.0	.0	.0
Office of International Cooperation & Development[4]	NA	NA	NA	NA	NA	.0	.4	.3	.2	.4	.7
Office of Transportation[1]	NA	NA	NA	NA	NA	.7	.8	.1	.1	.1	.1
Department of Commerce, total	51.4	71.0	73.1	68.6	90.9	89.9	88.1	78.6	60.2	50.2	61.5
Bureau of the Census	.4	.4	.4	.6	1.1	1.2	1.2	.9	1.9	2.1	2.1
Economic Development Admin	3.2	9.2	13.0	12.5	32.6	34.6	29.8	26.3	8.0	.0	.0
Maritime Administration[5]	17.3	17.1	14.0	11.1	12.6	7.4	7.3	NA	NA	NA	NA
Minority Business Dvlpmt Agcy	.8	3.7	1.6	2.7	.0	.0	.0	.0	.0	.0	.0
National Fire Prevention & Control Administration	.0	2.9	3.2	2.1	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards & Technology	7.6	8.4	9.9	8.3	9.8	16.0	17.3	16.3	14.9	13.6	11.8
National Oceanic & Atmospheric Administration	22.0	28.3	30.2	29.9	33.5	28.5	30.9	32.9	33.5	33.1	46.6
National Telecommunications & Information Administration	NA	NA	NA	.9	.7	1.7	1.1	1.1	1.2	1.4	.9
Office of Telecommunications	.0	.7	.5	NA	NA	NA	NA	NA	NA	NA	NA
Office of the Secretary	.0	.0	.0	.0	.0	.0	-	.0	.0	-	.1
Patent & Trademark Office	.2	.3	.2	.5	.5	.5	.5	1.1	.7	.0	.0
Department of Defense, total	6,986.0	7,581.5	8,127.2	9,247.5	9,729.6	10,492.1	11,719.2	13,907.7	17,669.8	19,770.1	22,324.3
Department of the Army	1,643.4	1,560.4	1,651.3	2,043.9	2,139.1	2,320.1	2,500.7	2,707.7	3,121.3	3,304.5	3,516.8
Department of the Navy	2,317.2	2,693.7	2,890.1	3,320.0	3,472.1	3,767.7	4,095.0	4,308.0	5,066.4	5,241.2	6,840.2
Department of the Air Force	2,874.6	3,157.7	3,344.3	3,605.3	3,813.6	4,033.4	4,673.7	6,351.9	8,724.0	10,124.2	11,351.5
Defense agencies	126.6	145.9	217.5	248.0	276.2	341.7	411.9	499.1	717.1	1,038.7	557.3
Test & Evaluation, Deputy Under Secretary Defense	24.2	23.9	24.1	30.2	28.6	29.3	37.9	41.1	41.0	61.6	58.6
Department of Education	NA	NA	NA	NA	NA	72.9	51.8	51.1	57.5	35.6	34.8
Department of Energy[6, 7]	NA	NA	NA	2,645.0	3,142.6	3,506.9	3,476.4	3,504.6	3,012.1	2,575.6	2,648.7
Department of Health, Education, & Welfare, total	443.4	472.6	432.8	409.0	466.5	NA	NA	NA	NA	NA	NA
Alcohol, Drug Abuse, & Mental Health Administration	.0	.0	2.8	1.0	1.4	NA	NA	NA	NA	NA	NA
Health Resources Admin	46.1	26.6	7.2	.0	.5	NA	NA	NA	NA	NA	NA
Health Services Admin	3.1	6.7	8.0	8.1	7.6	NA	NA	NA	NA	NA	NA
Nat'l Institute of Education	66.2	65.8	52.9	37.8	54.9	NA	NA	NA	NA	NA	NA
Nat'l Institutes of Health	247.1	275.7	292.6	311.2	348.3	NA	NA	NA	NA	NA	NA
Office of the Assistant Secretary for Health	.0	.0	.0	3.6	3.6	NA	NA	NA	NA	NA	NA
Office of Education	45.1	40.6	36.8	19.2	19.6	NA	NA	NA	NA	NA	NA
Off of Human Dvlpmnt Svcs	35.8	57.3	27.3	28.1	30.7	NA	NA	NA	NA	NA	NA
Social Security Admin	.0	.0	5.3	.0	.0	NA	NA	NA	NA	NA	NA

See explanatory information, if any, and SOURCE at end of table.

Table C-99. Federal obligations for development, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 2 of 3

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Department of Health & Human Services, total	NA	NA	NA	NA	NA	489.2	447.4	434.9	335.2	331.7	364.7
Alcohol, Drug Abuse, & Mental Health Administration	NA	NA	NA	NA	NA	.7	.0	1.8	2.1	1.8	1.2
Health Resources & Services Administration	NA	NA	NA	NA	NA	NA	NA	NA	3.4	2.3	2.3
Health Svcs Administration	NA	NA	NA	NA	NA	18.5	18.7	10.1	NA	NA	NA
Human Development Svcs[8]	NA	NA	NA	NA	NA	42.2	30.1	33.8	18.5	16.6	13.8
Nat'l Institutes of Health[9]	NA	NA	NA	NA	NA	423.0	394.4	384.9	308.7	311.0	347.0
Office of the Assistant Secretary for Health[10]	NA	NA	NA	NA	NA	4.7	4.2	4.3	2.2	.0	0
Office of the Secretary	NA	NA	NA	NA	NA	.0	.0	.0	.3	.0	4
Dept of Housing & Urban Dvlpmt	31.0	28.5	30.6	19.4	39.2	44.1	36.4	31.4	18.5	20.8	11.9
Dept of the Interior, total	48.9	69.3	73.7	58.7	75.5	66.3	56.8	57.3	29.6	24.8	30.7
Bonneville Power Admin[6]	2.0	5.5	6.5	.0	.0	.0	.0	7.7	NA	NA	NA
Bureau of Land Management	-	-	.1	.1	.2	.2	.3	.4	2.9	1.9	2.0
Bureau of Mines	35.6	54.7	58.0	49.6	57.0	41.9	30.6	28.7	13.6	9.2	11.6
Bureau of Reclamation	.5	.5	.4	.6	.6	.8	1.2	.9	1.1	1.2	1.4
Geological Survey[11]	.0	.0	.0	.0	.0	.5	.5	.5	.5	2.3	4.9
National Park Service	.0	.0	.0	.3	.0	.0	0	.0	0	0	0
Office of the Secretary	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0
Off of Water Rsch & Tech[11]	7.4	4.0	5.1	2.8	12.0	9.4	10.9	5.3	1.3	1.0	0
US Fish & Wildlife Service	3.3	4.1	3.7	5.4	5.7	13.5	13.4	13.7	10.3	9.2	10.8
Department of Justice, total	16.1	25.4	15.5	10.1	15.2	14.1	12.7	7.0	10.4	10.7	6.6
Bureau of Prisons[12]	.5	.6	.8	1.0	2.9	2.9	1.3	.9	.7	4	4
Drug Enforcement Admin	3.3	.6	2.0	2.1	1.4	1.7	1.9	.9	1.9	1.6	1.2
Fed Bureau of Investigation	1.9	1.2	1.2	1.4	1.8	3.1	1.4	.7	2.7	2.5	1.0
Immigration & Naturalization Service	.0	-	.0	.1	.2	.1	.2	1	4	3	3
Office of Justice Programs	10.4	23.0	11.5	5.4	8.3	6.3	7.5	4.4	4.6	5.8	3.8
Office of Legal Policy	.0	.0	.0	.0	.6	-	.5	1	-	.1	0
Department of Labor, total	6.6	10.1	10.5	10.8	72.1	94.9	101.6	4.0	8.3	1.9	0
Bureau of Labor Statistics	1.0	1.1	.5	.5	.5	.0	0	.0	.0	0	0
Employment & Training Admin	4.5	8.3	10.0	10.4	71.7	94.9	101.6	3.6	7.4	1.1	0
Occupational Safety & Health Administration	.9	.7	.0	.0	.0	.0	.0	.0	0	0	0
Office of the Secretary	.2	.0	.0	.0	.0	.0	.0	0	0	.0	.0
Pension Benefit Guaranty Corporation	NA	NA	NA	NA	NA	NA	NA	.4	.8	8	0
Department of State, total	4.7	5.4	14.2	23.1	36.1	.5	.3	.2	.0	.0	.0
Agcy for Internat'l Dvlpmt[13]	4.3	4.9	13.8	22.9	35.7	NA	NA	NA	NA	NA	NA
Departmental funds	.4	.5	.5	.2	.4	.5	.3	.2	0	.0	.0
Dept of Transportation, total	308.0	257.7	263.4	302.8	341.8	303.1	278.8	327.0	243.4	275.1	370.6
Coast Guard	14.8	11.6	9.8	16.4	21.4	10.2	9.9	11.3	18.3	18.4	12.2
Federal Aviation Admin	111.1	91.5	94.5	98.7	103.7	103.0	94.9	111.8	87.3	113.7	251.2
Federal Highway Admin	37.6	41.3	27.0	50.2	46.8	48.5	46.5	46.1	35.0	43.1	40.3
Federal Railroad Admin	31.9	29.7	41.8	35.3	44.7	36.7	38.3	30.4	15.1	13.7	6.9
Federal Transit Admin[14]	59.3	44.8	46.9	58.9	68.5	56.9	45.5	68.9	42.0	38.6	19.1
Maritime Administration[5]	NA	NA	NA	NA	NA	NA	NA	4.7	4.5	8.8	1.3
National Highway Traffic Safety Administration	38.7	22.0	21.5	19.5	28.3	26.6	24.9	36.5	34.1	30.6	32.2
Office of the Secretary	14.6	16.9	21.9	23.8	27.6	11.1	10.2	9.4	3.0	4.6	4.0
Research & Special Programs Administration	NA	NA	NA	.0	.8	10.0	8.5	7.9	4.0	3.6	3.5
Dept of the Treasury, total	.7	1.3	2.3	2.7	5.8	4.8	6.3	6.1	5.2	5.4	3.3
Bureau of Alcohol, Tobacco, & Firearms	.0	.0	.0	.7	1.6	1.9	1.2	.2	NA	NA	NA
Bureau of Engraving & Printing	.7	1.3	1.3	.8	1.8	1.5	1.0	1.8	2.0	1.9	1.3
Internal Revenue Service[15]	.0	.0	.0	.0	.6	.1	.1	-	.1	1	2
United States Customs Svc	.0	.0	1.0	1.2	1.8	1.3	3.7	3.4	3.1	3.3	1.7
United States Secret Svc[16]	NA	NA	NA	NA	NA	NA	.4	.6	.0	-	1
Department of Veterans Affairs	6.1	7.7	12.6	14.7	14.6	15.6	15.5	16.7	14.3	15.3	18.4

See explanatory information, if any, and SOURCE at end of table.

Table C-99. Federal obligations for development, by selected agency: fiscal years 1974-84

[Dollars in millions]

Page 3 of 3

Selected agency	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Other agencies:											
Action	.1	.0	.0	.4	1.4	1.6	.0	.0	.0	.0	.0
Agcy for Internat'l Dvlpmt[13]	NA	NA	NA	NA	NA	39.6	69.7	47.8	72.0	70.6	70.3
Appalachian Regional Commission	NA	NA	.0	.1	.1	.2	.2	.1	.1	.0	.1
Civil Service Commission	1.8	2.9	2.9	2.8	NA	NA	NA	NA	NA	NA	NA
Community Services Admin	21.3	22.9	10.2	23.0	22.3	18.9	29.1	16.4	NA	NA	NA
Consumer Product Safety Comm	1.6	3.0	2.1	3.0	2.9	2.1	1.9	.3	.1	.2	.2
Energy Rsch & Dvlpmt Admin[7]	1,024.2	1,453.9	1,717.3	NA	NA	NA	NA	NA	NA	NA	NA
Environmental Protection Agency	72.9	115.9	103.7	90.2	132.0	151.1	99.9	107.4	91.7	66.1	89.2
Federal Emergency Management Agency	NA	NA	NA	NA	2.2	2.9	2.5	2.5	.0	.0	5.4
Federal Energy Administration	.0	1.1	1.9	NA	NA	NA	NA	NA	NA	NA	NA
General Services Admin[17]	.4	.9	.7	.5	.5	.3	.1	.2	.5	.3	2.0
Library of Congress	1.8	2.2	2.5	3.4	4.4	5.3	6.3	4.0	4.9	6.0	5.4
National Aeronautics & Space Administration	2,156.5	2,129.3	2,224.0	1,964.7	1,988.1	2,127.2	1,624.4	2,186.0	1,670.7	1,116.8	1,112.7
National Science Foundation	36.2	25.0	13.5	8.7	5.3	7.9	8.1	6.1	2.2	.0	.0
Office of Personnel Management	NA	NA	NA	NA	3.5	4.6	4.2	5.0	.0	.0	.0
Office of Telecomm Policy	.0	1.7	2.7	NA	NA	NA	NA	NA	NA	NA	NA
Tennessee Valley Authority	1.6	1.9	2.2	3.6	18.0	21.9	64.3	54.7	72.3	50.7	53.8
United States Arms Control & Disarmament Agency		-	-	.4	1.2	.8	.8	.8	.6	.1	.2
US Information Agency[18]	-	.0	-	-	-	-	-	.3	.1	.0	.0

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[1] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[3] Includes programs of the Economic Research Service, the Statistical Reporting Service, and the Farmer Cooperative Service for fiscal years 1977-79.

[4] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[5] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[6] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[7] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[8] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[9] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[10] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[11] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[12] The Bureau of Prisons was formerly listed as Federal Prison System.

[13] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[14] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[15] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[16] Formerly listed as Office of Protective Research.

[17] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[18] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-99a. Federal obligations for development, by selected agency: fiscal years 1985-95

[Dollars in millions]

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all agencies	32,226.1	34,910.2	37,313.2	38,119.3	40,641.0	41,937.1	37,326.8	41,102.0	40,423.5	41,560.3	41,205.1
Departments:											
Dept of Agriculture, total	32.0	32.1	29.0	31.4	36.1	47.1	61.2	66.1	76.1	80.1	81.8
Agricultural Marketing Svc[1]	.3	.3	.3	.3	.3	.4	.5	.6	.6	.6	.6
Agricultural Research Svc[2]	27.7	27.4	24.0	26.3	31.4	33.3	40.2	43.9	52.8	56.0	57.5
Animal & Plant Health Inspection Service	.0	.0	.0	.0	.0	8.0	15.7	16.7	17.1	17.7	17.3
Federal Grain Inspection Svc	.2	.3	.5	.4	.3	.4	.1	.0	.0	.0	.0
Forest Service	3.3	3.6	3.8	4.0	3.9	4.8	4.5	4.9	5.5	5.8	6.4
Office of International Cooperation & Development[3]	.4	.3	.3	.2	.1	.2	.2	.0	.0	.0	.0
Office of Transportation[1]	.2	.1	.1	.1	NA	NA	NA	NA	NA	NA	NA
Department of Commerce, total	74.6	59.7	63.7	46.6	46.9	61.2	39.9	55.3	74.2	175.0	300.1
Bureau of the Census	2.4	2.1	1.9	1.9	2.0	2.0	1.9	2.0	2.1	2.1	2.3
Economic Development Admin	11.0	8.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
National Institute of Standards & Technology	14.0	11.6	9.3	9.1	10.0	10.5	15.6	29.6	34.3	134.6	255.0
National Oceanic & Atmospheric Administration	45.4	37.2	51.7	34.8	34.1	47.7	22.4	23.7	37.8	38.3	42.8
National Telecommunications & Information Administration	1.2	.8	.8	.8	.9	.9	.0	.0	.0	.0	.0
Office of the Secretary	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Department of Defense, total	26,623.2	29,710.7	31,884.0	32,009.7	33,920.8	33,738.9	28,416.9	32,056.1	31,065.7	31,264.1	30,664.2
Department of the Army	3,747.4	3,982.1	4,109.6	4,052.3	4,835.9	4,903.8	5,221.0	5,921.5	5,190.5	4,880.3	4,514.1
Department of the Navy	8,336.1	8,865.9	8,721.1	8,766.2	8,882.9	8,778.6	6,932.0	7,138.0	8,106.8	8,622.3	8,151.0
Department of the Air Force	12,524.3	12,834.8	14,562.9	14,094.2	14,430.0	14,055.1	10,107.1	12,636.6	11,747.5	11,290.2	11,373.8
Defense agencies	1,964.8	3,910.7	4,353.5	4,868.4	5,616.8	5,780.2	5,919.4	6,114.4	5,766.0	6,228.0	6,361.4
Operational Test & Evaluation, Director	NA	.0	8.4	68.2	14.4	32.6	13.6	12.4	12.3	11.5	12.5
Test & Evaluation, Deputy Under Secretary Defense	50.6	117.1	128.5	160.3	140.7	188.7	223.7	233.2	242.5	231.8	251.5
Department of Education	33.0	25.5	25.6	29.7	37.2	39.7	39.4	41.5	44.1	48.1	36.3
Department of Energy[4] [5]	2,825.0	2,648.0	2,659.4	2,801.0	2,760.9	3,060.1	2,709.5	2,759.7	2,821.9	3,136.5	2,989.4

See explanatory information, if any, and SOURCE at end of table.

Table C-99a. Federal obligations for development, by selected agency: fiscal years 1985-95

[Dollars in millions]

Page 2 of 3

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Department of Health & Human Services, total	422.7	468.0	584.3	661.1	814.4	938.5	1,593.5	1,042.3	1,156.6	1,293.8	1,360.2
Administration on Aging[6]	NA	NA	NA	NA	NA	NA	17.7	17.8	18.2	17.8	17.7
Administration for Children & Families[6] [7]	NA	NA	NA	NA	NA	.0	115.5	4.8	1.4	1.6	1.1
Agency for Health Care Policy & Research[8]	NA	NA	NA	NA	NA	5.5	8.1	8.5	9.2	11.3	8.7
Alcohol, Drug Abuse, & Mental Health Administration	1.1	1.2	2.2	2.4	3.0	41.5	537.6	NA	NA	NA	NA
Health Resources & Services Administration	1.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Human Development Svcs[6]	18.5	47.8	43.6	46.8	93.2	87.7	NA	NA	NA	NA	NA
Nat'l Institutes of Health[9]	399.6	417.5	536.2	610.2	716.5	800.7	912.5	1,010.5	1,126.6	1,261.9	1,330.6
Office of the Assistant Secretary for Health[8]	1.7	1.5	2.3	1.6	1.7	1.1	.4	.7	1.2	1.1	1.1
Office of the Secretary	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Social Security Admin	.0	.0	.0	.0	.0	2.1	1.7	.0	.0	.0	1.0
Dept of Housing & Urban Dvlpmt	12.0	10.1	10.8	12.1	11.9	12.7	18.4	16.3	15.5	24.5	25.7
Dept of the Interior, total	22.4	17.3	21.7	24.3	27.1	33.3	39.5	38.6	39.0	46.1	46.2
Bureau of Land Management	1.6	1.3	1.6	1.5	1.0	.7	2.8	.4	.9	.0	.0
Bureau of Mines	3.3	2.8	3.6	5.2	5.4	9.4	7.1	4.2	6.9	7.1	5.7
Bureau of Reclamation	2.0	.5	.5	.7	.6	.5	.9	2.5	2.8	2.5	1.5
Geological Survey[10]	4.4	7.4	10.3	10.9	12.9	15.1	18.2	16.9	12.8	11.7	10.0
National Biological Survey	NA	NA	NA	NA	NA	NA	NA	NA	.0	24.6	28.9
Office of the Secretary	.0	.0	.0	.3	.4	.2	.5	.7	.2	.1	-
US Fish & Wildlife Service	11.1	5.3	5.7	5.7	6.7	7.4	10.0	13.9	15.3	.0	.0
Department of Justice, total	16.7	14.1	22.5	25.7	20.6	20.6	27.8	27.7	23.3	22.6	23.4
Bureau of Prisons[11]	.4	.3	4.9	3.9	3.0	2.7	3.3	3.4	3.6	3.5	3.5
Drug Enforcement Admin	1.1	1.7	1.5	1.9	2.2	2.0	1.8	1.3	.8	.8	.8
Fed Bureau of Investigation	9.5	7.2	8.0	12.7	7.7	8.2	10.8	10.9	11.3	11.5	11.1
Immigration & Naturalization Service	.2	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0
Office of Justice Programs	5.5	4.7	7.9	7.1	7.8	7.7	11.9	12.1	7.5	6.7	8.0
Department of Labor, total	.9	.9	1.2	8.9	13.3	51.4	19.7	27.9	36.1	31.0	35.5
Employment & Training Admin	.0	.0	.3	8.0	9.7	47.4	15.5	26.1	32.5	27.9	32.5
Office of the Secretary	.9	.9	.9	.9	3.6	3.8	4.0	1.7	3.0	2.6	2.6
Pension Benefit Guaranty Corporation	.0	.0	.0	.0	.0	.2	.2	.1	.6	.5	.4
Dept of Transportation, total	357.6	317.3	256.2	213.4	182.9	247.4	265.3	288.1	319.3	400.9	381.8
Coast Guard	13.6	13.4	13.3	15.7	13.3	15.2	19.2	15.0	24.7	17.8	15.2
Federal Aviation Admin	269.0	246.6	156.2	147.3	123.2	189.9	196.2	206.1	189.1	218.5	215.6
Federal Highway Admin	42.6	30.8	56.0	30.4	34.4	33.8	40.8	57.0	83.1	147.7	124.6
Federal Railroad Admin	3.6	2.9	.8	1.8	1.5	1.7	2.7	3.9	4.3	4.3	12.4
Federal Transit Admin[12]	9.7	8.2	12.6	2.3	1.4	1.6	1.7	1.7	13.3	5.1	7.6
Maritime Administration[13]	5.9	2.6	2.5	.0	.0	.0	.0	.0	.0	.0	.0
National Highway Traffic Safety Administration	7.2	6.3	9.0	9.2	3.5	.0	.0	.0	.0	.0	.0
Office of the Secretary	3.9	4.7	4.1	5.0	4.2	5.1	3.7	3.4	3.9	4.0	3.8
Research & Special Programs Administration	2.2	1.7	1.8	1.7	1.3	.0	1.0	1.1	.8	3.5	2.6
Dept of the Treasury, total	6.0	6.3	9.5	10.2	9.3	6.9	6.7	3.8	5.5	7.1	7.9
Bureau of Engraving & Printing	1.6	1.1	1.7	.8	.3	.7	.8	.2	.0	.0	.0
Financial Crimes Enforcement Network	.0	.0	.0	.0	.0	.0	2.3	1.2	1.5	1.9	1.9
Internal Revenue Service[14]	1.3	.2	.4	.7	.3	.3	.4	.4	.0	.0	.0
United States Customs Svc	2.1	4.6	6.8	8.5	6.4	5.8	3.2	2.0	3.9	4.1	5.9
United States Mint	.6	.3	.2	.1	2.0	.1	.1	.0	.1	1.1	-
United States Secret Svc[15]	.5	-	.3	.0	.2	.0	.0	.0	.0	.0	.0
Department of Veterans Affairs	17.5	16.3	19.2	19.2	21.0	22.1	22.8	23.0	28.7	31.2	25.3

See explanatory information, if any, and SOURCE at end of table.

Table C-99a. Federal obligations for development, by selected agency: fiscal years 1985-95

[Dollars in millions]

Page 3 of 3

Selected agency	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Other agencies:											
Agcy for Internat'l Dvlpmt[16]	60.5	66.2	63.5	69.3	60.0	29.3	20.4	65.9	23.0	39.5	42.6
Consumer Product Safety Comm	1.0	.9	1.6	.9	.8	.7	.4	.3	.4	.2	.3
Environmental Protection Agency	105.8	99.5	71.0	79.5	107.0	104.5	79.5	79.6	133.7	150.4	195.4
Federal Emergency Management Agency	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
General Services Admin[17]	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0
Library of Congress	5.0	5.0	5.0	5.5	6.4	7.0	7.3	8.5	8.7	8.6	8.5
National Aeronautics & Space Administration	1,543.6	1,350.8	1,517.8	1,998.8	2,514.7	3,472.6	3,909.1	4,428.3	4,471.1	4,725.9	4,902.5
National Archives & Records Administration[17]	.3	1.0	.4	.2	.1	.1	.1	.1	-	.0	.0
Tennessee Valley Authority	65.1	59.8	60.2	68.8	48.0	43.2	49.5	72.9	80.6	74.8	78.1
United States Arms Control & Disarmament Agency	.0	.1	3.2	2.6	1.6	.0	.0	.0	.0	.0	.0
US Information Agency[18]	.0	.4	3.5	.3	.1	.0	.0	.0	.0	.0	.0

[1] Fiscal year 1979 was the first year in which Congress appropriated funds to the Agricultural Marketing Service. Data reported for the Agricultural Marketing Service include funds for the Office of Transportation beginning in 1989.

[2] Includes the former Agriculture Research Service of the Science and Education Administration for fiscal years 1978-80.

[3] The Office of International Cooperation and Development became part of the Foreign Agricultural Service (FAS) in June of 1994. Data reported for FAS include funds appropriated to International Cooperation and Development programs within FAS as of fiscal year 1994.

[4] In fiscal year 1982 the Bonneville Power Administration became part of the Department of Energy.

[5] In 1977 the Energy Research and Development Administration became part of the Department of Energy.

[6] In fiscal year 1991 Human Development Services was replaced by the Administration for Children and Families and by the Administration on Aging. Beginning in fiscal year 1992, data shown for the Administration for Children and Families are separate from obligations for the Administration on Aging.

[7] Obligations reported for the Administration for Children and Families may be incomplete for fiscal year 1992 due to unavailability of data.

[8] In fiscal year 1991 the Agency for Health Care Policy and Research became separate from the Office of the Assistant Secretary for Health.

[9] Fiscal year 1992 figures include obligations from the Alcohol, Drug Abuse, and Mental Health Administration. Due to reorganization within the Department of Health and Human Services, the Alcohol, Drug Abuse, and Mental Health Administration ceased to exist as of October 1992, and its research and development functions are reported with the National Institutes of Health data beginning with volume XLII.

[10] As of 1985 the Office of Water Research and Technology has been combined with the Geological Survey.

[11] The Bureau of Prisons was formerly listed as Federal Prison System.

[12] Name changed from Urban Mass Transit Administration on Dec. 18, 1991.

[13] In 1981 the Maritime Administration moved from the Department of Commerce to the Department of Transportation.

[14] Due to the reorganization of the Internal Revenue Service and subsequent unavailability of data, fiscal year 1992 figures are taken from estimates made in the Volume XLI submission.

[15] Formerly listed as Office of Protective Research.

[16] Agency for International Development (AID) became separate from the Department of State in 1979. AID includes programs of the International Development Cooperative Agency for fiscal years 1979-81.

[17] As of 1985 the National Archives and Records Administration is separate from the General Services Administration.

[18] Data reported for the US Information Agency include funds for the former International Communication Agency for fiscal years 1977-81.

NOTES: Because of rounding, detail may not add to totals.

Only those agencies that had obligations in the variables represented by this table appear in the table. For a complete list of the Federal agencies that have been included in the Federal Funds Survey, refer to appendix A.

KEY: NA = Not applicable (indicates that the agency or agency subdivision did not exist as such or in that organization in that year)
- = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-100. Federal obligations for research and development, by performer: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Performer	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	17,410.1	19,038.8	20,779.7	23,450.4	25,845.1	28,145.1	29,830.4	33,103.9	36,432.6	38,711.5	42,224.9
Intramural[1]	4,910.9	5,354.0	5,768.7	6,011.7	6,810.4	7,417.5	7,632.3	8,425.7	9,141.0	10,581.9	11,572.3
Industrial firms excl FFRDCs	7,752.3	8,423.2	9,340.3	10,717.2	11,400.0	12,172.4	12,969.1	14,867.9	17,192.2	17,019.7	18,610.4
FFRDCs admin by industrial firms	592.8	703.7	813.8	1,112.7	1,242.5	1,318.1	1,408.1	1,413.9	1,506.4	1,501.2	1,608.4
Univs & colleges excl FFRDCs	2,214.0	2,411.4	2,551.8	2,905.5	3,374.6	3,888.8	4,263.4	4,465.8	4,605.5	4,966.4	5,546.9
FFRDCs admin by univs	789.1	935.1	1,061.1	1,313.1	1,311.9	1,488.3	1,533.3	1,791.0	1,976.7	2,393.9	2,485.8
Nonprofit inst excl FFRDCs	672.2	702.3	708.6	800.0	998.2	1,026.5	1,105.6	1,068.8	1,091.7	1,241.6	1,497.3
FFRDCs admin by nonprofit inst	199.3	219.9	231.0	263.9	315.9	368.7	441.8	525.2	520.6	581.3	597.1
State and local governments	214.4	227.6	231.2	238.0	268.4	310.1	265.5	222.2	184.3	186.0	130.9
Foreign	65.1	61.6	73.1	88.2	123.2	154.7	211.2	323.4	214.3	239.5	175.8

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-100a. Federal obligations for research and development, by performer: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Performer	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total	48,359.6	51,412.4	55,253.7	56,769.4	61,406.5	63,559.5	61,295.2	65,592.6	67,314.0	69,593.8	69,366.2
Intramural[1]	12,945.4	13,534.9	13,413.1	14,114.6	15,024.6	15,848.9	15,138.2	15,582.8	16,556.2	17,236.8	16,724.2
Industrial firms excl FFRDCs	21,704.9	24,201.2	26,768.2	26,719.2	28,547.9	29,370.0	26,420.6	29,744.8	30,326.1	31,004.7	31,243.6
FFRDCs admin by industrial firms	1,790.8	1,697.0	1,860.0	1,911.3	2,056.3	2,326.8	2,168.3	2,117.0	1,451.3	1,306.4	1,297.8
Univs & colleges excl FFRDCs	6,339.7	6,558.8	7,337.3	7,827.7	8,672.0	9,137.5	10,168.5	10,271.2	11,156.1	11,969.4	12,096.6
FFRDCs admin by univs[2]	2,816.4	2,767.7	3,209.6	3,473.9	3,497.1	3,449.8	3,603.8	3,855.5	3,666.5	3,490.0	3,607.9
Nonprofit inst excl FFRDCs	1,699.2	1,677.0	1,711.4	1,683.2	1,999.9	2,248.2	2,637.4	2,803.6	2,811.9	2,990.9	2,712.2
FFRDCs admin by nonprofit inst[2]	689.2	551.2	510.6	505.6	522.0	621.6	679.4	745.6	753.4	781.5	890.3
State and local governments	129.4	128.4	148.2	142.1	167.4	213.9	215.1	184.1	320.3	568.8	560.6
Foreign	244.5	296.3	295.3	391.8	919.4	342.6	263.9	287.9	272.2	245.3	233.1

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-101. Federal obligations for research, by performer: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Performer	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	6,175.2	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8
Intramural[1]	2,270.2	2,463.8	2,879.2	2,957.7	3,220.8	3,481.2	3,666.3	4,034.2	4,194.2	4,710.3	4,764.7
Industrial firms excl FFRDCs	874.6	1,010.2	1,103.0	1,367.3	1,651.4	1,762.0	2,077.6	1,958.3	2,156.6	2,114.2	2,137.4
FFRDCs admin by industrial firms	98.2	135.7	176.5	192.2	235.2	245.0	311.0	351.3	487.3	522.6	496.5
Univs & colleges excl FFRDCs	1,958.3	2,078.8	2,249.7	2,583.5	2,928.0	3,333.4	3,699.1	3,920.1	4,045.4	4,467.9	5,029.7
FFRDCs admin by univs	374.0	425.5	548.3	670.3	714.9	800.6	851.2	940.6	1,056.7	1,250.1	1,335.9
Nonprofit inst excl FFRDCs	414.2	394.7	435.4	512.2	590.9	622.6	678.4	705.2	743.5	836.9	922.6
FFRDCs admin by nonprofit inst	50.8	64.8	57.5	55.6	66.9	73.4	71.7	67.7	104.2	85.2	87.3
State and local governments	91.0	111.9	119.4	115.2	128.8	139.5	150.9	129.3	125.9	136.7	88.2
Foreign	44.0	44.3	50.4	60.3	69.9	77.4	91.1	106.0	108.3	129.6	116.5

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-101a. Federal obligations for research, by performer: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Performer	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	28,033.5	28,161.2
Intramural[1]	5,056.1	5,160.3	5,437.7	5,338.4	5,897.0	5,809.8	6,454.4	6,523.3	7,360.1	7,645.9	7,600.2
Industrial firms excl FFRDCs	2,074.4	2,280.5	2,448.6	2,642.5	2,875.0	3,191.6	3,406.5	3,451.2	4,018.9	4,189.8	4,129.2
FFRDCs admin by industrial firms	485.9	482.1	433.5	455.2	604.3	614.3	709.6	684.9	795.8	693.7	635.2
Univs & colleges excl FFRDCs	5,726.3	5,883.4	6,640.2	7,022.9	7,793.1	8,136.5	8,867.5	9,060.7	9,844.1	10,610.1	10,839.5
FFRDCs admin by univs[2]	1,421.3	1,291.7	1,471.0	1,564.8	1,703.4	1,791.5	2,160.9	2,351.8	2,347.6	2,187.0	2,226.6
Nonprofit inst excl FFRDCs	1,045.1	1,062.9	1,207.5	1,300.0	1,519.8	1,660.0	1,925.9	2,049.6	2,041.3	2,038.8	2,046.2
FFRDCs admin by nonprofit inst[2]	97.0	87.9	89.8	82.9	109.5	137.6	170.9	139.9	173.4	199.6	219.1
State and local governments	89.5	91.0	90.2	103.1	121.2	126.4	129.3	109.3	211.8	376.2	367.5
Foreign	137.9	162.4	121.9	140.4	142.1	154.5	143.4	120.0	97.4	92.3	97.6

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-102. Federal obligations for basic research, by performer: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Performer	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	2,387.7	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4
Intramural [1]	695.9	733.5	786.0	914.1	1,029.3	1,089.1	1,182.5	1,301.8	1,465.5	1,689.8	1,861.1
Industrial firms excl FFRDCs	124.0	118.5	131.1	208.1	247.7	277.1	325.3	292.9	270.9	292.9	377.9
FFRDCs admin by industrial firms	31.5	47.9	59.8	53.1	65.4	66.6	70.4	73.3	87.4	83.0	91.1
Univs & colleges excl FFRDCs	1,144.7	1,260.6	1,341.7	1,555.1	1,759.2	2,079.9	2,320.3	2,503.2	2,727.1	3,112.3	3,530.8
FFRDCs admin by univs	223.1	257.5	284.9	324.1	356.8	393.6	436.8	490.6	516.7	604.0	668.9
Nonprofit inst excl FFRDCs	127.1	128.2	126.5	162.5	192.8	240.3	279.5	313.1	355.6	409.6	473.6
FFRDCs admin by nonprofit inst	6.2	13.8	7.9	5.6	5.8	6.7	7.5	8.6	9.0	8.0	8.2
State and local governments	16.8	14.0	12.9	15.6	17.1	19.8	23.9	26.5	24.5	32.1	28.1
Foreign	18.3	14.3	16.6	20.4	24.6	19.5	28.1	31.2	24.9	28.5	27.7

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-102a. Federal obligations for basic research, by performer: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Performer	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	14,043.4	14,201.0
Intramural[1]	1,923.4	2,018.9	2,046.2	2,050.3	2,313.4	2,294.6	2,391.6	2,337.6	2,605.1	2,740.8	2,719.8
Industrial firms excl FFRDCs	380.1	511.6	467.0	596.9	773.2	887.5	949.9	920.3	959.2	1,015.0	963.9
FFRDCs admin by industrial firms	122.6	117.6	119.9	133.0	223.9	246.8	264.0	247.2	237.3	234.6	212.8
Univs & colleges excl FFRDCs	4,038.7	4,132.1	4,665.6	4,868.3	5,221.4	5,548.2	6,064.5	6,331.8	6,798.5	7,323.8	7,496.7
FFRDCs admin by univs[2]	724.2	724.1	906.7	989.8	1,098.1	1,227.3	1,306.2	1,394.1	1,437.8	1,411.7	1,422.2
Nonprofit inst excl FFRDCs	555.8	572.1	657.7	728.6	838.9	924.1	1,015.5	1,097.2	1,164.9	1,095.4	1,129.7
FFRDCs admin by nonprofit inst[2]	12.4	13.0	13.3	17.7	42.2	59.2	80.8	65.5	71.3	77.8	88.4
State and local governments	30.5	30.9	37.5	42.7	43.6	50.4	49.1	42.4	71.7	91.7	114.2
Foreign	30.9	32.7	28.5	46.3	47.4	47.6	49.1	53.8	53.3	52.6	53.4

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-103. Federal obligations for applied research, by performer: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Performer	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	3,787.6	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4
Intramural[1]	1,574.3	1,730.3	2,093.1	2,043.6	2,191.5	2,392.1	2,483.8	2,732.4	2,728.7	3,020.4	2,903.6
Industrial firms excl FFRDCs	750.7	891.7	971.9	1,159.1	1,403.7	1,484.9	1,752.3	1,665.4	1,885.7	1,821.3	1,759.5
FFRDCs admin by industrial firms	66.7	87.8	116.7	139.1	169.8	178.3	240.7	278.1	400.0	439.7	405.4
Univs & colleges excl FFRDCs	813.5	818.2	908.0	1,028.4	1,168.8	1,253.5	1,378.8	1,416.9	1,318.3	1,355.6	1,498.9
FFRDCs admin by univs	150.9	168.0	263.4	346.2	358.1	407.0	414.3	450.0	540.0	646.1	667.0
Nonprofit inst excl FFRDCs	287.1	266.4	308.9	349.6	398.1	382.3	398.9	392.1	387.9	427.3	449.0
FFRDCs admin by nonprofit inst	44.6	51.0	49.6	49.9	61.2	66.7	64.2	59.1	95.2	77.1	79.1
State and local governments	74.2	97.9	106.5	99.6	111.8	119.7	127.1	102.8	101.4	104.7	60.0
Foreign	25.7	30.0	33.8	39.9	45.3	57.9	63.0	74.8	83.4	101.1	88.8

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-103a. Federal obligations for applied research, by performer: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Performer	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,990.2	13,960.2
Intramural[1]	3,132.7	3,141.5	3,391.5	3,288.1	3,583.5	3,515.2	4,062.8	4,185.7	4,755.0	4,905.1	4,880.5
Industrial firms excl FFRDCs	1,694.3	1,768.8	1,981.6	2,045.6	2,101.8	2,304.2	2,456.6	2,530.9	3,059.7	3,174.8	3,165.3
FFRDCs admin by industrial firms	363.3	364.5	313.6	322.2	380.5	367.5	445.6	437.6	558.6	459.2	422.4
Univs & colleges excl FFRDCs	1,687.6	1,751.4	1,974.6	2,154.6	2,571.8	2,588.4	2,803.0	2,728.9	3,045.5	3,286.3	3,342.8
FFRDCs admin by univs[2]	697.1	567.6	564.3	575.0	605.4	564.3	854.7	957.6	909.8	775.3	804.4
Nonprofit inst excl FFRDCs	489.3	490.8	549.8	571.3	681.0	735.9	910.4	952.5	876.4	943.4	916.5
FFRDCs admin by nonprofit inst[2]	84.6	74.9	76.5	65.2	67.3	78.4	90.1	74.5	102.2	121.8	130.7
State and local governments	58.9	60.0	52.7	60.4	77.6	76.1	80.2	66.9	140.1	284.6	253.3
Foreign	107.0	129.7	93.4	94.1	94.6	106.9	94.3	66.2	44.1	39.7	44.2

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution

NOTE: Because of rounding, detail may not add to totals

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-104. Federal obligations for development, by performer: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Performer	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	11,234.9	12,309.1	13,160.3	14,936.3	16,238.4	17,610.1	18,233.1	20,891.1	23,410.4	24,458.0	27,246.1
Intramural[1]	2,640.7	2,890.2	2,889.6	3,054.0	3,589.7	3,936.3	3,966.1	4,391.5	4,946.8	5,871.7	6,807.6
Industrial firms excl FFRDCs	6,877.7	7,413.0	8,237.3	9,350.0	9,748.6	10,410.5	10,891.5	12,909.6	15,035.6	14,905.5	16,472.9
FFRDCs admin by industrial firms	494.6	568.0	637.3	920.6	1,007.3	1,073.1	1,097.0	1,062.6	1,019.1	978.5	1,112.0
Univs & colleges excl FFRDCs	255.7	332.7	302.1	322.0	446.6	555.5	564.4	545.6	560.0	498.5	517.2
FFRDCs admin by univs	415.2	509.6	512.8	642.8	597.1	687.7	682.2	850.4	920.0	1,143.8	1,149.9
Nonprofit inst excl FFRDCs	258.1	307.7	273.1	287.9	407.3	403.8	427.1	363.6	348.1	404.7	574.6
FFRDCs admin by nonprofit inst	148.6	155.1	173.5	208.3	249.0	295.4	370.1	457.5	416.4	496.1	509.8
State and local governments	123.3	115.7	111.8	122.9	139.6	170.7	114.6	92.9	58.4	49.3	42.8
Foreign	21.0	17.3	22.7	27.9	53.2	77.3	120.1	217.5	106.0	109.9	59.2

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

NOTE: Because of rounding, detail may not add to totals

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-104a. Federal obligations for development, by performer: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Performer	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total	32,226.1	34,910.2	37,313.2	38,119.3	40,641.0	41,937.1	37,326.8	41,102.0	40,423.5	41,560.3	41,205.1
Intramural[1]	7,889.3	8,374.6	7,975.3	8,776.2	9,127.6	10,039.1	8,683.8	9,059.6	9,196.2	9,590.8	9,124.0
Industrial firms excl FFRDCs	19,630.5	21,920.7	24,319.6	24,076.7	25,672.9	26,178.4	23,014.1	26,293.6	26,307.2	26,815.0	27,114.4
FFRDCs admin by industrial firms	1,304.9	1,215.0	1,426.4	1,456.1	1,452.0	1,712.5	1,458.7	1,432.2	655.5	612.7	662.6
Univs & colleges excl FFRDCs	613.5	675.4	697.0	804.8	878.8	1,001.0	1,301.0	1,210.6	1,312.0	1,359.3	1,257.1
FFRDCs admin by univs[2]	1,395.1	1,476.0	1,738.6	1,909.1	1,793.6	1,658.3	1,442.9	1,503.7	1,318.9	1,302.9	1,381.3
Nonprofit inst excl FFRDCs	654.1	614.1	503.9	383.2	480.0	588.2	711.5	753.9	770.6	952.1	666.0
FFRDCs admin by nonprofit inst[2]	592.2	463.3	420.8	422.7	412.4	484.0	508.5	605.7	580.0	581.9	671.2
State and local governments	39.9	37.4	58.0	39.0	46.3	87.5	85.8	74.8	108.5	192.6	193.1
Foreign	106.7	133.9	173.4	251.4	777.3	188.1	120.5	167.9	174.8	153.0	135.5

[1] Intramural activities cover costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance

[2] In 1984 the Center for Naval Analyses was reclassified from an FFRDC administered by a university to an FFRDC administered by a nonprofit institution.

NOTE: Because of rounding, detail may not add to totals.

KEY: FFRDCs = Federally funded research and development centers

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development. Fiscal Years 1993, 1994, and 1995

Table C-105. Federal obligations for total research, by detailed field of science and engineering: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all fields	6,175.2	6,729.7	7,619.3	8,514.1	9,606.8	10,535.0	11,597.4	12,212.8	13,022.2	14,253.5	14,978.8
Life sciences, total	2,265.1	2,455.2	2,649.7	3,007.7	3,427.1	3,848.3	4,192.3	4,435.6	4,745.5	5,177.9	5,635.9
Biol & agricultural, total	1,316.2	1,452.2	1,535.8	1,777.6	2,024.0	2,320.3	2,507.6	2,711.8	2,811.8	3,064.4	3,325.0
Biol (excl environmental)	NA	NA	NA	NA	1,488.5	1,702.2	1,830.6	1,996.6	2,079.3	2,305.5	2,563.1
Environmental biology	NA	NA	NA	NA	184.9	216.6	229.7	220.3	183.5	193.6	250.0
Agricultural	NA	NA	NA	NA	350.7	401.5	447.2	494.8	549.0	565.2	512.0
Medical sciences, total	910.8	951.1	1,042.9	1,138.8	1,287.4	1,380.6	1,536.9	1,609.9	1,773.0	1,927.5	2,112.8
Clinical medical	565.7	550.6	586.7	634.4	NA	NA	NA	NA	NA	NA	NA
Other medical	345.2	400.5	456.3	504.4	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	38.1	51.9	71.0	91.4	115.7	147.3	147.9	113.9	160.7	186.1	198.1
Psychology, total	133.4	139.2	144.0	156.2	176.7	197.4	199.0	208.9	218.4	240.9	266.7
Biological aspects	49.3	37.4	43.8	57.6	53.4	56.8	59.9	57.5	59.6	63.2	80.8
Social aspects	52.0	57.1	54.9	54.5	65.4	83.6	94.8	93.5	98.1	104.7	107.8
Psychological sci, n.e.c.	32.1	44.7	45.3	44.1	57.9	57.0	44.3	57.9	60.7	73.0	78.1
Physical sciences, total	1,016.1	1,096.6	1,258.9	1,530.2	1,645.6	1,792.6	2,000.6	2,220.5	2,500.4	2,891.4	2,969.0
Astronomy	136.0	168.3	163.1	197.3	213.6	284.4	285.7	281.0	275.8	357.4	382.3
Chemistry	280.4	285.6	328.4	370.7	405.0	443.6	454.5	486.9	481.2	520.3	606.4
Physics	556.6	595.0	709.3	866.3	942.4	1,022.7	1,182.5	1,345.6	1,610.5	1,854.6	1,836.4
Physical sciences, n.e.c.	43.0	47.8	58.1	95.9	84.6	41.8	77.9	107.0	132.9	159.2	143.9
Environmental sciences, total	636.3	727.3	769.3	906.0	1,024.6	1,101.0	1,261.0	1,121.1	1,148.3	1,251.2	1,275.9
Atmospheric sciences	288.3	302.2	289.3	318.4	319.2	348.7	409.5	373.4	425.8	460.7	434.1
Geological sciences	157.1	191.7	227.2	269.4	316.4	358.7	401.8	396.1	357.6	333.5	359.0
Oceanography	120.0	143.8	164.0	195.9	223.8	220.5	262.1	261.7	261.3	343.5	363.5
Environmental sci, n.e.c.	71.0	89.5	88.8	122.3	165.2	173.1	187.6	89.9	103.6	113.5	119.3
Math & computer sci, total	114.3	125.3	157.8	195.9	216.3	210.3	240.9	278.9	350.1	419.4	440.3
Mathematics	NA	NA	69.9	96.4	93.4	84.2	90.9	117.7	128.1	133.5	151.0
Computer sciences	NA	NA	73.6	89.4	107.3	106.3	128.6	121.5	170.9	214.6	214.5
Math & computer sci, n.e.c.	NA	NA	14.3	10.1	15.7	19.9	21.4	39.7	51.0	71.4	74.8
Engineering, total	1,563.7	1,717.8	2,068.7	2,112.9	2,421.2	2,571.6	2,830.1	3,071.5	3,386.5	3,517.0	3,624.1
Aeronautical	336.1	345.1	526.8	408.8	482.9	624.9	708.1	709.6	741.2	820.6	860.4
Astronautical	97.5	99.1	179.4	159.0	165.1	251.1	302.3	303.9	290.7	321.5	396.8
Chemical	61.5	83.9	88.3	104.8	149.4	114.3	96.3	147.6	95.1	145.0	144.5
Civil	103.6	125.6	105.9	117.4	142.4	125.0	158.8	159.1	201.9	188.5	202.8
Electrical	269.2	287.0	297.7	382.7	432.6	417.9	517.1	556.7	612.2	614.9	630.0
Mechanical	131.7	162.5	185.7	199.2	234.1	195.9	208.0	204.6	201.2	266.4	190.5
Metallurgy & materials	190.6	221.8	274.9	293.8	286.0	249.3	236.2	256.0	309.1	332.5	341.1
Engineering, n.e.c.	373.5	392.9	410.0	447.2	528.6	593.2	603.3	733.9	935.1	827.6	858.0
Social sciences, total	292.2	301.8	392.5	426.1	489.5	527.3	523.8	497.4	385.9	435.3	436.3
Anthropology	13.4	13.9	13.6	12.4	19.5	17.3	17.2	14.5	14.6	12.8	18.6
Economics	118.0	126.2	137.6	142.9	163.2	181.9	192.8	206.7	157.1	165.6	147.3
Political science	8.5	11.7	7.2	8.5	8.8	13.9	12.2	10.8	7.5	11.1	10.8
Sociology	64.3	54.9	53.6	52.2	60.3	64.5	71.4	65.0	52.0	67.8	70.2
Social sciences, n.e.c.	88.1	95.1	180.4	210.3	237.6	249.6	230.3	200.4	154.7	178.0	189.5
History	6.2	7.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Linguistics	3.1	3.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other social sciences	78.7	85.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	154.1	166.6	178.6	179.1	205.8	286.6	349.6	378.8	287.0	320.4	330.5

NOTE: Because of rounding, detail may not add to totals.

KEY: NA = Not applicable (indicates that the data collected for this table was not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-105a. Federal obligations for total research, by detailed field of science and engineering: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all fields	16,133.4	16,502.2	17,940.5	18,650.1	20,765.5	21,622.4	23,968.4	24,490.6	26,890.5	28,033.5	28,161.2
Life sciences, total	6,362.5	6,464.3	7,341.4	7,724.5	8,495.1	8,829.8	9,622.0	9,910.5	10,772.1	11,350.2	11,609.2
Biol & agricultural, total	3,755.3	3,861.3	4,358.5	4,573.4	5,020.0	5,178.4	5,597.9	5,633.6	6,059.3	6,362.7	6,630.8
Biol (excl environmental)	2,885.7	2,993.4	3,502.0	3,681.7	3,983.2	4,144.6	4,411.9	4,380.3	4,730.6	4,963.3	5,243.9
Environmental biology	260.3	264.1	289.6	301.0	367.8	342.3	459.7	511.0	556.5	628.4	613.3
Agricultural	609.3	603.8	566.9	590.7	669.0	691.4	726.2	742.3	772.2	771.0	773.7
Medical sciences, total	2,368.5	2,360.4	2,664.8	2,941.0	3,222.5	3,382.4	3,460.3	3,909.9	4,404.4	4,651.0	4,652.0
Life sciences, n.e.c.	238.7	242.6	318.2	210.1	252.6	269.1	563.8	367.0	308.3	336.4	326.5
Psychology, total	327.1	334.0	369.5	389.8	421.7	448.6	482.4	298.1	550.7	569.4	573.7
Biological aspects	91.2	90.1	98.3	105.3	121.8	130.6	140.2	34.6	37.2	39.2	37.5
Social aspects	142.9	143.5	154.5	149.4	149.9	177.5	197.5	100.9	134.7	132.6	121.5
Psychological sci, n.e.c.	93.1	100.4	116.7	135.2	149.9	140.5	144.8	162.6	378.7	397.7	414.7
Physical sciences, total	3,046.0	3,069.1	3,252.6	3,317.3	3,705.2	3,808.7	4,235.3	4,439.2	4,427.0	4,449.0	4,379.1
Astronomy	414.7	468.2	522.2	470.8	541.9	597.2	631.7	739.1	686.3	707.2	697.9
Chemistry	650.4	662.4	680.3	703.1	782.6	761.7	828.4	896.2	843.2	915.9	955.4
Physics	1,816.0	1,805.9	1,853.6	1,975.3	2,190.8	2,254.9	2,460.9	2,578.2	2,638.4	2,476.7	2,455.9
Physical sciences, n.e.c.	164.8	132.6	196.6	168.1	189.9	195.0	314.3	225.7	259.2	349.2	269.9
Environmental sciences, total	1,403.7	1,481.7	1,511.6	1,607.0	1,773.2	2,174.1	2,149.8	2,207.6	2,608.5	2,831.7	2,690.3
Atmospheric sciences	486.0	521.3	552.9	587.8	588.0	773.4	802.7	767.3	984.1	1,071.1	986.2
Geological sciences	429.0	443.9	441.7	441.6	542.8	661.1	728.7	735.7	797.9	822.3	823.2
Oceanography	398.5	429.7	427.4	460.4	491.9	520.1	398.6	458.9	467.4	523.2	489.3
Environmental sci, n.e.c.	90.2	86.8	89.5	117.1	150.5	219.5	219.8	245.8	359.2	415.1	391.6
Math & computer sci, total	574.9	615.4	640.6	642.9	735.4	840.7	903.7	1,160.3	1,225.4	1,410.0	1,526.0
Mathematics	183.6	184.5	204.5	217.9	236.1	241.3	227.6	318.7	290.8	322.8	350.3
Computer sciences	280.3	302.4	297.8	292.7	364.6	562.1	584.9	771.8	826.1	940.4	998.6
Math & computer sci, n.e.c.	111.0	128.5	138.3	132.3	134.8	37.3	91.1	69.9	108.5	146.8	177.2
Engineering, total	3,617.6	3,738.9	3,906.3	3,956.4	4,442.2	4,226.6	4,944.5	4,977.0	5,499.4	5,700.6	5,629.4
Aeronautical	738.0	775.6	810.4	801.8	986.8	927.1	1,016.2	874.6	1,193.0	1,296.3	1,230.5
Astronautical	424.7	526.9	624.6	575.4	677.4	580.8	653.1	630.4	494.0	482.9	436.7
Chemical	254.3	245.8	215.8	258.1	142.2	241.9	304.3	297.5	245.5	275.4	277.1
Civil	216.6	202.9	204.4	214.9	229.8	317.7	305.0	330.2	252.0	374.8	339.6
Electrical	626.8	674.4	786.3	731.1	843.1	640.0	729.9	759.0	881.5	782.9	823.7
Mechanical	267.0	236.5	233.5	240.8	257.4	268.3	335.5	337.2	466.9	385.3	420.6
Metallurgy & materials	439.2	445.0	362.0	456.7	521.0	554.5	710.7	727.2	695.7	805.7	805.6
Engineering, n.e.c.	651.0	631.7	669.3	677.8	784.5	696.3	889.8	1,020.8	1,270.9	1,297.2	1,295.7
Social sciences, total	460.0	415.5	480.0	485.8	551.0	630.0	727.3	689.7	674.9	708.4	698.8
Anthropology	18.0	13.6	15.2	14.3	13.9	14.4	16.0	14.1	13.7	15.7	16.7
Economics	159.7	131.3	148.5	159.5	166.8	197.2	187.4	211.6	204.7	213.0	212.7
Political science	14.6	11.6	11.3	12.2	13.5	13.1	17.0	22.6	29.2	13.2	21.4
Sociology	66.5	67.0	74.0	81.8	94.1	116.2	184.0	80.7	76.7	74.3	66.9
Social sciences, n.e.c.	201.3	192.0	231.0	218.0	262.8	289.1	322.9	360.8	350.5	392.3	381.0
Other sciences, n.e.c.	341.6	383.3	438.3	526.5	641.6	663.7	903.4	808.3	1,132.5	1,014.3	1,054.5

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-106. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all fields	2,387.7	2,588.4	2,767.5	3,258.6	3,698.6	4,192.7	4,674.2	5,041.3	5,481.6	6,260.1	7,067.4
Life sciences, total	1,032.2	1,115.9	1,222.0	1,383.4	1,588.4	1,891.8	2,054.4	2,223.8	2,526.0	2,891.3	3,287.6
Biol & agricultural, total	691.9	747.0	818.4	933.6	1,078.7	1,279.3	1,339.4	1,462.4	1,674.8	1,928.8	2,174.7
Biol (excl environmental)	NA	NA	NA	NA	874.5	1,055.5	1,099.9	1,201.7	1,401.2	1,621.9	1,835.8
Environmental biology	NA	NA	NA	NA	64.3	90.8	86.1	83.3	83.2	92.7	120.8
Agricultural	NA	NA	NA	NA	139.8	133.0	153.5	177.4	190.4	214.2	218.1
Medical sciences, total	317.6	342.4	374.4	414.8	467.7	560.1	657.0	706.2	793.4	878.9	1,015.3
Clinical medical	32.9	38.8	41.6	39.6	NA	NA	NA	NA	NA	NA	NA
Other medical	284.7	303.5	332.8	375.2	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	22.7	26.6	29.2	35.0	42.0	52.4	58.0	55.3	57.8	83.6	97.7
Psychology, total	46.1	58.6	45.5	55.7	67.5	75.1	84.2	91.0	89.9	92.9	107.9
Biological aspects	18.6	18.2	18.5	22.5	23.5	26.4	30.2	30.5	32.9	31.4	43.7
Social aspects	18.0	22.2	16.1	20.0	25.3	34.0	31.3	30.2	33.7	32.8	33.4
Psychological sci, n.e.c.	9.5	18.2	11.0	13.1	18.7	14.7	22.8	30.2	23.3	28.7	30.8
Physical sciences, total	649.6	709.0	721.4	890.0	941.4	1,050.0	1,220.6	1,324.9	1,393.8	1,587.2	1,728.0
Astronomy	133.3	163.0	160.0	193.3	209.8	280.6	279.4	274.2	271.1	354.5	379.6
Chemistry	149.3	158.6	168.3	208.7	203.3	224.8	256.9	298.2	312.0	362.2	403.4
Physics	360.3	379.0	388.4	467.4	518.8	535.6	668.2	735.4	790.7	855.1	921.4
Physical sciences, n.e.c.	6.7	8.3	4.8	20.6	9.5	8.9	16.1	17.1	20.0	15.4	23.6
Environmental sciences, total	291.6	280.8	294.3	387.5	451.3	457.3	522.4	532.8	520.0	580.1	656.7
Atmospheric sciences	138.5	111.0	114.0	143.5	163.3	169.2	179.0	173.8	163.2	172.6	192.2
Geological sciences	80.9	88.6	95.7	128.7	145.1	157.6	198.3	194.2	177.5	178.3	198.0
Oceanography	62.9	73.2	76.6	104.6	120.7	119.1	130.7	143.3	154.5	195.6	220.1
Environmental sci, n.e.c.	9.4	7.9	8.0	10.7	22.2	11.4	14.3	21.5	24.9	33.5	46.4
Math & computer sci, total	52.7	62.0	81.8	83.4	97.7	104.2	116.3	140.4	165.1	208.1	240.8
Mathematics	NA	NA	43.2	52.1	55.9	60.0	66.8	79.2	90.9	100.9	113.9
Computer sciences	NA	NA	26.6	31.0	40.3	43.0	46.2	52.2	67.4	90.4	104.8
Math & computer sci, n.e.c.	NA	NA	12.0	.3	1.6	1.2	3.2	9.0	6.8	16.8	22.2
Engineering, total	214.9	262.8	272.8	337.7	392.6	434.7	465.2	526.0	610.5	689.5	845.0
Aeronautical	32.2	30.2	32.0	49.5	82.8	88.4	104.2	113.3	126.5	140.7	225.5
Astronautical	11.1	11.3	11.9	10.2	14.9	25.2	27.2	33.2	44.8	50.4	52.4
Chemical	11.3	16.4	18.4	24.0	24.1	24.6	26.1	31.3	35.2	50.4	55.5
Civil	10.1	7.7	7.8	10.4	10.8	14.2	22.0	23.4	32.0	32.4	41.9
Electrical	38.4	47.8	53.1	55.1	57.4	62.0	70.6	78.5	93.6	95.8	130.4
Mechanical	17.3	17.6	20.1	29.6	29.5	35.9	42.2	47.4	53.1	60.7	64.1
Metallurgy & materials	74.6	99.7	103.3	124.9	134.5	151.1	121.3	138.5	155.9	182.9	187.3
Engineering, n.e.c.	19.8	32.2	26.3	33.9	38.4	33.2	51.6	60.5	69.4	76.2	87.9
Social sciences, total	74.8	73.8	86.4	95.5	124.3	129.7	147.2	137.0	120.2	137.7	132.6
Anthropology	8.8	7.0	6.4	8.0	12.0	12.5	14.2	13.1	13.1	11.2	16.8
Economics	25.1	22.1	25.6	29.1	33.6	32.7	40.0	34.1	39.0	41.0	29.7
Political science	2.2	1.6	3.0	2.5	3.2	4.1	7.4	6.3	4.4	4.6	4.1
Sociology	14.4	15.1	16.6	15.9	18.6	18.4	25.4	22.6	18.7	32.8	33.9
Social sciences, n.e.c.	24.3	28.0	34.8	39.9	57.0	62.0	60.2	60.9	45.1	48.2	48.1
History	5.9	6.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Linguistics	2.1	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other social sciences	16.3	19.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	25.7	25.5	43.1	25.5	35.4	50.0	63.9	65.4	56.1	73.3	68.8

NOTE: Because of rounding, detail may not add to totals.

KEY:
NA = Not applicable (indicates that the data collected for this table was not recorded at that level in that particular fiscal year)
n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-106a. Federal obligations for basic research, by detailed field of science and engineering: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all fields	7,818.7	8,153.1	8,942.4	9,473.6	10,602.0	11,285.6	12,170.8	12,489.9	13,399.1	14,043.4	14,201.0
Life sciences, total	3,786.6	3,858.8	4,361.9	4,501.8	4,915.7	5,177.5	5,433.6	5,841.7	6,288.8	6,673.7	6,898.5
Biol & agricultural, total	2,515.5	2,543.0	2,870.4	2,855.3	3,102.9	3,219.0	3,374.9	3,517.6	3,787.8	4,010.4	4,158.4
Biol (excl environmental)	2,106.3	2,151.5	2,461.5	2,414.9	2,647.2	2,742.2	2,868.5	2,981.8	3,222.5	3,373.8	3,532.7
Environmental biology	125.7	125.7	141.0	146.8	157.3	168.3	186.9	201.6	223.2	279.8	261.0
Agricultural	283.5	265.7	267.9	293.7	298.4	308.5	319.4	334.2	342.2	356.8	364.7
Medical sciences, total	1,145.4	1,196.6	1,341.0	1,573.2	1,708.4	1,849.6	1,857.7	2,131.0	2,380.9	2,537.4	2,609.8
Life sciences, n.e.c.	125.7	119.2	150.6	73.2	104.4	108.9	201.0	193.1	120.1	125.9	130.2
Psychology, total	132.8	133.0	147.1	177.8	187.1	215.1	225.5	122.6	246.8	256.3	268.7
Biological aspects	48.0	47.0	49.3	52.4	61.0	65.3	68.2	14.3	18.1	18.0	19.8
Social aspects	46.9	45.3	45.5	40.9	38.1	60.9	69.2	16.9	16.0	15.3	16.0
Psychological sci, n.e.c.	38.0	40.7	52.3	84.5	88.0	88.8	88.1	91.4	212.7	222.9	232.9
Physical sciences, total	1,815.2	1,914.4	2,096.0	2,199.6	2,506.5	2,661.5	2,881.5	2,951.4	2,907.1	2,947.0	2,900.3
Astronomy	400.7	453.1	504.5	458.5	524.6	579.9	612.3	729.7	663.4	681.3	677.4
Chemistry	425.0	433.4	445.1	470.8	504.6	502.1	538.7	556.6	543.7	570.2	590.5
Physics	959.9	1,003.4	1,072.3	1,205.5	1,395.3	1,474.3	1,644.9	1,607.5	1,600.6	1,545.3	1,494.7
Physical sciences, n.e.c.	29.7	24.7	74.2	64.8	81.9	105.1	85.5	57.6	99.4	150.2	137.7
Environmental sciences, total	699.7	749.1	781.0	872.7	1,016.9	1,274.8	1,263.5	1,303.6	1,533.5	1,574.9	1,526.0
Atmospheric sciences	209.2	240.4	243.8	280.7	316.4	443.7	449.0	435.2	635.1	650.3	632.7
Geological sciences	250.0	265.5	266.2	267.3	334.9	439.7	499.0	526.5	555.3	562.8	528.4
Oceanography	219.3	224.3	249.8	269.4	293.5	299.7	197.5	210.0	207.2	215.7	214.0
Environmental sci, n.e.c.	21.2	18.9	21.2	55.2	72.1	91.6	118.0	131.9	135.9	146.1	150.9
Math & computer sci, total	260.0	293.4	306.4	313.2	345.8	406.9	426.1	481.4	511.3	563.6	582.9
Mathematics	130.3	142.4	158.4	165.4	167.8	176.3	164.4	228.2	221.8	247.5	261.5
Computer sciences	116.1	131.4	128.5	125.5	159.5	225.2	223.5	247.7	284.3	309.9	313.9
Math & computer sci, n.e.c.	13.6	19.6	19.5	22.4	18.4	5.3	38.2	5.5	5.1	6.2	7.5
Engineering, total	884.2	968.5	989.5	1,006.2	1,183.7	1,101.5	1,233.7	1,249.8	1,207.4	1,325.1	1,286.4
Aeronautical	191.5	226.3	237.4	231.0	327.9	269.6	256.2	245.1	246.2	245.0	215.2
Astronautical	41.6	52.5	48.8	48.4	58.9	62.3	69.7	94.4	53.6	55.8	46.4
Chemical	74.4	73.0	77.5	88.6	50.1	75.8	101.7	105.0	72.8	88.9	83.7
Civil	43.6	45.2	45.7	46.1	51.7	47.3	59.3	53.4	38.7	45.5	46.0
Electrical	144.9	156.3	175.4	154.0	173.8	146.9	142.5	165.4	203.1	245.2	215.5
Mechanical	88.2	83.6	87.2	83.5	100.8	91.4	115.6	113.9	142.6	150.5	167.6
Metallurgy & materials	211.9	228.5	209.8	230.1	254.8	260.2	294.6	273.6	241.3	288.1	288.7
Engineering, n.e.c.	88.2	103.2	107.8	124.4	165.7	147.9	194.3	199.2	209.1	206.1	223.4
Social sciences, total	140.7	113.5	129.5	146.8	154.6	146.0	161.3	139.9	194.1	192.1	206.3
Anthropology	15.8	11.2	12.3	12.1	12.1	12.5	12.7	11.0	10.0	10.4	11.4
Economics	34.3	26.3	29.0	34.7	37.7	37.1	37.3	39.3	46.0	46.0	52.4
Political science	5.8	4.1	5.5	5.1	5.4	6.4	7.1	6.4	6.4	4.7	5.1
Sociology	32.4	30.0	34.3	36.8	38.2	24.2	28.2	10.2	11.1	9.4	10.4
Social sciences, n.e.c.	52.4	41.9	48.4	58.1	61.2	65.8	75.9	72.9	120.6	121.7	127.0
Other sciences, n.e.c.	99.4	122.5	130.9	255.5	291.7	302.3	545.6	399.4	510.1	510.7	532.0

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-107. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total, all fields	3,787.6	4,141.3	4,851.9	5,255.5	5,908.2	6,342.3	6,923.2	7,171.5	7,540.6	7,993.4	7,911.4
Life sciences, total	1,233.0	1,339.3	1,427.7	1,624.4	1,838.7	1,956.5	2,137.9	2,211.8	2,219.5	2,286.6	2,348.3
Biol & agricultural, total	624.3	705.2	717.4	844.0	945.3	1,041.0	1,168.1	1,249.4	1,137.0	1,135.6	1,150.3
Biol (excl environmental)	NA	NA	NA	NA	614.0	646.7	730.8	794.9	678.1	683.7	727.3
Environmental biology	NA	NA	NA	NA	120.5	125.8	143.6	137.0	100.4	101.0	129.2
Agricultural	NA	NA	NA	NA	210.8	268.6	293.7	317.4	358.6	351.0	293.8
Medical sciences, total	593.3	608.7	668.6	724.0	819.8	820.5	879.9	903.7	979.6	1,048.5	1,097.5
Clinical medical	532.7	511.7	545.1	594.8	NA	NA	NA	NA	NA	NA	NA
Other medical	60.5	97.0	123.5	129.2	NA	NA	NA	NA	NA	NA	NA
Life sciences, n.e.c.	15.4	25.4	41.7	56.4	73.6	95.0	89.9	58.7	102.9	102.4	100.4
Psychology, total	87.3	80.6	98.5	100.5	109.2	122.3	114.8	117.9	128.5	147.9	158.8
Biological aspects	30.7	19.2	25.3	35.1	29.9	30.4	29.7	27.0	26.7	31.8	37.1
Social aspects	33.9	34.9	38.8	34.5	40.1	49.6	63.5	63.3	64.4	71.8	74.3
Psychological sci, n.e.c.	22.6	26.5	34.3	30.9	39.1	42.3	21.5	27.7	37.4	44.3	47.4
Physical sciences, total	366.5	387.7	537.5	640.2	704.2	742.6	780.0	895.6	1,106.5	1,304.3	1,241.0
Astronomy	2.7	5.3	3.1	4.0	3.8	3.8	6.3	6.8	4.7	3.0	2.7
Chemistry	131.1	126.9	160.2	162.0	201.7	218.8	197.6	188.7	169.2	158.1	203.0
Physics	196.3	216.0	320.8	398.8	423.6	487.1	514.4	610.2	819.8	999.5	915.0
Physical sciences, n.e.c.	36.3	39.5	53.3	75.3	75.1	32.8	61.8	89.9	112.9	143.7	120.3
Environmental sciences, total	344.7	446.5	475.0	518.5	573.3	643.7	738.6	588.2	628.3	671.2	619.2
Atmospheric sciences	149.8	191.2	175.3	174.9	155.9	179.5	230.5	199.6	262.6	288.1	242.0
Geological sciences	76.2	103.1	131.5	140.7	171.2	201.1	203.4	201.9	180.1	155.2	161.0
Oceanography	57.1	70.6	87.4	91.3	103.1	101.4	131.4	118.4	106.8	147.9	143.4
Environmental sci, n.e.c.	61.6	81.6	80.8	111.6	143.0	161.7	173.3	68.4	78.7	80.0	72.9
Math & computer sci, total	61.5	63.3	76.0	112.5	118.5	106.1	124.7	138.6	185.0	211.3	199.5
Mathematics	NA	NA	26.7	44.3	37.5	24.2	24.1	38.6	37.3	32.6	37.1
Computer sciences	NA	NA	47.0	58.3	67.0	63.3	82.4	69.3	103.5	124.1	109.7
Math & computer sci, n.e.c.	NA	NA	2.3	9.9	14.1	18.6	18.2	30.7	44.3	54.6	52.7
Engineering, total	1,348.9	1,454.9	1,795.9	1,775.2	2,028.6	2,137.0	2,364.9	2,545.4	2,776.1	2,827.5	2,779.1
Aeronautical	303.9	314.9	494.8	359.3	400.0	536.5	604.0	596.3	614.7	679.9	634.9
Astronautical	86.4	87.8	167.5	148.8	150.2	226.0	275.1	270.8	245.9	271.1	344.4
Chemical	50.1	67.5	69.8	80.8	125.3	89.7	70.2	116.3	59.9	94.6	88.9
Civil	93.5	117.9	98.1	107.0	131.6	110.8	136.8	135.8	169.9	156.0	161.0
Electrical	230.8	239.2	244.6	327.6	375.2	355.8	446.6	478.2	518.6	519.1	499.7
Mechanical	114.4	144.8	165.6	169.5	204.7	160.0	165.8	157.3	148.1	205.7	126.3
Metallurgy & materials	116.0	122.1	171.6	168.9	151.4	98.2	114.8	117.5	153.2	149.6	153.7
Engineering, n.e.c.	353.7	360.7	383.7	413.3	490.2	560.0	551.6	673.4	865.7	751.4	770.1
Social sciences, total	217.4	228.1	306.0	330.6	365.1	397.6	376.6	360.5	265.7	297.5	303.8
Anthropology	4.6	6.9	7.2	4.3	7.6	4.9	2.9	1.5	1.5	1.6	1.7
Economics	92.9	104.2	111.9	113.8	129.6	149.2	152.8	172.6	118.2	124.6	117.6
Political science	6.2	10.1	4.2	5.9	5.6	9.8	4.8	4.5	3.2	6.6	6.7
Sociology	49.9	39.8	37.0	36.2	41.7	46.1	46.1	42.4	33.3	35.0	36.3
Social sciences, n.e.c.	63.8	67.1	145.6	170.3	180.6	187.6	170.1	139.5	109.6	129.8	141.4
History	.3	1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Linguistics	1.0	.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other social sciences	62.5	65.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other sciences, n.e.c.	128.4	141.0	135.4	153.6	170.4	236.6	285.7	313.5	231.0	247.1	261.7

NOTE: Because of rounding, detail may not add to totals

KEY:
NA = Not applicable (indicates that the data collected for this table was not recorded at that level in that particular fiscal year)
n.e.c = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-107a. Federal obligations for applied research, by detailed field of science and engineering: fiscal years 1985-95

[Dollars in millions]

Page 1 of 1

Field of science and engineering	1985	1986	1987	1988	1989	1990	1991	1992	1993	Estimates	
										1994	1995
Total, all fields	8,314.7	8,349.1	8,998.1	9,176.5	10,163.5	10,336.8	11,797.6	12,000.7	13,491.4	13,990.2	13,960.2
Life sciences, total	2,575.9	2,605.5	2,979.5	3,222.7	3,579.4	3,652.3	4,188.4	4,068.8	4,483.3	4,676.4	4,710.8
Biol & agricultural, total	1,239.8	1,318.4	1,488.1	1,718.0	1,917.2	1,959.4	2,223.0	2,116.0	2,271.5	2,352.3	2,472.4
Biol (excl environmental)	779.3	841.9	1,040.5	1,266.8	1,336.0	1,402.5	1,543.4	1,398.4	1,508.1	1,589.5	1,711.1
Environmental biology	134.6	138.3	148.6	154.2	210.5	174.0	272.8	309.4	333.3	348.6	352.3
Agricultural	325.8	338.1	299.1	297.0	370.7	382.9	406.8	408.2	430.1	414.1	409.0
Medical sciences, total	1,223.1	1,163.8	1,323.8	1,367.8	1,514.1	1,532.7	1,602.6	1,778.9	2,023.5	2,113.6	2,042.2
Life sciences, n.e.c.	113.0	123.3	167.6	136.9	148.1	160.2	362.9	173.9	188.2	210.5	196.2
Psychology, total	194.3	201.0	222.4	212.0	234.5	233.5	256.9	175.6	303.9	313.1	305.1
Biological aspects	43.2	43.1	49.1	52.9	60.8	65.3	72.0	20.3	19.1	21.1	17.7
Social aspects	96.0	98.3	108.9	108.4	111.8	116.5	128.2	84.1	118.7	117.2	105.5
Psychological sci, n.e.c.	55.1	59.7	64.4	50.7	61.9	51.7	56.7	71.2	166.1	174.7	181.9
Physical sciences, total	1,230.8	1,154.6	1,156.6	1,117.7	1,198.8	1,147.2	1,353.9	1,487.7	1,519.8	1,502.1	1,478.8
Astronomy	14.1	15.1	17.7	12.3	17.3	17.2	19.3	9.4	22.8	25.9	20.5
Chemistry	225.4	229.0	235.2	232.3	278.0	259.6	289.7	339.6	299.5	345.7	364.9
Physics	856.1	802.6	781.4	769.8	795.5	780.6	816.0	970.7	1,037.7	931.5	961.2
Physical sciences, n.e.c.	135.2	107.9	122.4	103.3	108.0	89.8	228.9	168.1	159.8	199.0	132.1
Environmental sciences, total	704.0	732.6	730.6	734.3	756.3	899.3	886.3	904.0	1,075.0	1,256.8	1,164.3
Atmospheric sciences	276.8	280.9	309.1	307.1	271.6	329.7	353.7	332.0	349.0	420.8	353.5
Geological sciences	179.0	178.4	175.6	174.3	207.8	221.4	229.7	209.2	242.6	259.5	294.8
Oceanography	179.3	205.4	177.6	190.9	198.4	220.4	201.0	248.9	260.2	307.6	275.3
Environmental sci, n.e.c.	69.0	67.9	68.3	61.9	78.5	127.8	101.7	113.8	223.3	269.0	240.7
Math & computer sci, total	314.9	322.0	334.3	329.6	389.7	433.9	477.6	678.9	714.1	846.4	943.1
Mathematics	53.4	42.1	46.1	52.5	68.3	65.0	63.2	90.5	68.9	75.3	88.7
Computer sciences	164.2	171.0	169.3	167.2	205.1	336.9	361.4	524.0	541.8	630.5	684.7
Math & computer sci, n.e.c.	97.3	108.9	118.9	109.9	116.3	31.9	52.9	64.3	103.4	140.5	169.7
Engineering, total	2,733.4	2,770.4	2,916.8	2,950.2	3,258.4	3,125.1	3,710.8	3,727.1	4,292.0	4,375.5	4,343.1
Aeronautical	546.5	549.3	573.0	570.8	658.9	657.5	760.0	629.5	946.8	1,051.3	1,015.4
Astronautical	383.2	474.4	575.9	526.9	618.5	518.5	583.4	536.0	440.4	427.1	390.3
Chemical	179.9	172.8	138.3	169.5	92.2	166.0	202.6	192.5	172.7	186.5	193.4
Civil	173.0	157.8	158.7	168.7	178.1	270.4	245.7	276.9	213.3	329.3	293.6
Electrical	481.9	518.1	610.9	577.1	669.3	493.1	587.4	593.6	678.4	537.7	608.2
Mechanical	178.8	153.0	146.2	157.2	156.5	176.9	220.0	223.4	324.3	234.9	253.1
Metallurgy & materials	227.4	216.6	152.2	226.6	266.2	294.3	416.1	453.6	454.3	517.6	516.8
Engineering, n.e.c.	562.8	528.5	561.6	553.3	618.8	548.4	695.6	821.6	1,061.7	1,091.2	1,072.3
Social sciences, total	319.3	302.0	350.5	339.0	396.4	484.0	566.0	549.8	480.8	516.3	492.5
Anthropology	2.1	2.4	2.9	2.2	1.8	1.9	3.3	3.1	3.7	5.2	5.3
Economics	125.4	105.0	119.6	124.8	129.1	160.1	150.1	172.3	158.7	167.0	160.3
Political science	8.9	7.5	5.8	7.1	8.1	6.8	10.0	16.1	22.8	8.5	16.3
Sociology	34.0	37.0	39.6	45.0	55.9	92.0	155.7	70.5	65.6	64.9	56.5
Social sciences, n.e.c.	148.9	150.2	182.6	159.9	201.6	223.3	246.9	287.9	229.9	270.6	254.0
Other sciences, n.e.c.	242.2	260.9	307.4	271.0	350.0	361.5	357.8	408.8	622.4	503.6	522.6

NOTE: Because of rounding, detail may not add to totals.

KEY: n.e.c. = Not elsewhere classified

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-108. Federal obligations for research and development, by State: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

State	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	16,990.7	18,542.3	20,247.4	22,841.1	25,077.7	27,084.2	28,627.3	31,929.6	35,361.6	37,627.8	41,148.5
Alabama	377.4	363.1	374.4	414.7	432.0	516.9	455.7	493.5	561.5	671.7	792.6
Alaska	25.3	36.4	37.6	38.1	48.7	45.9	42.5	51.8	40.0	40.4	47.7
Arizona	99.5	116.3	122.5	142.5	163.4	201.4	334.6	367.7	264.5	469.3	383.9
Arkansas	14.2	23.3	26.5	24.3	42.4	37.3	30.0	31.2	43.5	31.4	35.0
California	4,075.7	4,839.6	5,496.1	5,785.5	5,839.2	6,338.6	6,097.7	7,049.7	8,888.3	8,194.9	8,995.8
Colorado	323.3	267.9	248.6	324.2	393.2	442.2	573.7	632.8	556.6	436.2	531.6
Connecticut	233.7	269.7	239.4	291.8	299.8	328.4	470.3	485.0	439.6	743.3	675.9
Delaware	10.4	10.0	8.0	15.3	11.1	14.4	20.8	25.9	34.6	20.4	63.7
District of Columbia	552.3	580.3	570.3	728.1	790.2	768.4	807.0	921.0	954.6	1,196.1	1,796.0
Florida	783.2	796.8	788.3	872.5	890.1	913.1	1,120.8	1,373.7	1,776.4	1,276.0	1,138.1
Georgia	70.9	81.0	92.3	111.2	155.7	184.4	169.8	195.0	217.3	237.2	245.5
Hawaii	53.1	43.0	45.5	36.9	44.6	40.8	42.6	49.9	44.5	71.4	52.9
Idaho	52.2	67.2	72.7	119.8	107.0	147.1	147.7	119.5	127.0	223.4	195.2
Illinois	325.4	371.3	414.3	517.2	564.3	547.2	599.9	572.6	543.0	567.5	675.6
Indiana	95.0	92.8	92.4	102.8	108.1	122.0	162.4	170.1	186.2	213.6	236.0
Iowa	46.5	47.8	48.5	60.1	68.3	84.9	121.7	147.4	136.3	95.2	134.5
Kansas	29.4	32.8	32.1	36.3	106.6	136.3	353.6	471.0	637.7	97.4	101.9
Kentucky	31.3	35.2	51.0	56.6	62.1	43.0	107.9	101.0	97.2	93.1	56.5
Louisiana	75.7	101.8	126.1	156.5	162.7	209.1	196.3	331.8	236.8	186.6	129.7
Maine	10.5	11.9	15.6	18.3	25.4	23.1	25.9	24.4	23.9	29.3	38.1
Maryland	1,528.9	1,610.3	1,811.2	1,991.4	2,091.0	2,299.8	2,465.0	2,585.1	2,850.2	3,412.4	3,917.9
Massachusetts	1,188.3	1,228.6	1,284.9	1,472.0	1,689.3	2,055.6	2,047.7	2,407.1	2,775.2	2,559.3	2,882.6
Michigan	196.6	248.9	222.2	316.6	367.8	264.4	377.5	357.2	376.7	412.5	479.4
Minnesota	106.9	123.2	153.3	186.5	177.7	202.8	261.6	309.0	378.6	448.2	636.8
Mississippi	76.3	57.9	71.6	95.4	87.1	100.7	109.3	125.5	125.7	185.8	145.5
Missouri	387.0	330.0	404.3	639.6	827.3	778.9	801.6	820.4	911.3	576.8	659.5
Montana	13.6	28.4	29.8	47.8	27.5	41.6	45.7	45.4	42.7	35.0	26.6
Nebraska	14.7	20.3	21.4	24.5	33.5	31.3	31.6	31.7	32.0	42.3	33.0
Nevada	112.5	150.0	179.7	184.3	196.7	222.1	214.5	263.0	376.3	647.1	440.5
New Hampshire	29.3	33.6	34.7	32.6	68.7	94.1	50.2	54.8	50.8	76.8	116.4
New Jersey	473.8	442.0	495.7	566.3	522.5	649.3	729.4	775.4	887.9	1,293.4	1,550.0
New Mexico	532.0	554.8	626.3	751.4	987.4	955.5	954.2	1,224.1	1,322.6	1,804.9	2,104.8
New York	1,026.3	1,058.6	1,107.4	1,203.8	1,284.1	1,362.2	1,468.8	1,557.7	1,692.5	2,523.2	2,493.4
North Carolina	110.0	116.9	139.1	154.7	192.3	220.9	227.7	259.8	272.7	312.5	378.3
North Dakota	10.5	13.0	14.8	19.3	28.3	33.4	38.7	40.1	36.5	27.2	37.8
Ohio	567.3	585.2	627.8	694.8	858.3	1,053.2	1,054.7	1,117.2	1,024.8	1,170.1	1,366.5
Oklahoma	29.9	34.5	32.1	48.2	105.0	70.1	94.5	82.4	65.6	67.9	65.5
Oregon	59.9	79.0	84.6	84.9	95.3	100.1	97.9	105.6	106.3	108.0	137.8
Pennsylvania	660.1	780.7	836.0	837.5	995.7	1,099.9	1,059.4	1,082.9	1,131.5	1,173.3	1,142.2
Rhode Island	74.9	75.1	101.8	110.1	120.3	140.7	149.9	182.5	242.1	267.5	306.1
South Carolina	28.8	24.6	30.8	67.2	118.3	114.3	87.5	96.1	98.7	104.6	119.8
South Dakota	12.4	6.8	7.3	8.5	9.1	10.2	9.9	10.2	19.0	12.4	14.0
Tennessee	241.7	289.4	388.2	546.3	644.3	644.1	722.9	883.6	702.3	435.5	546.7
Texas	652.2	714.5	837.2	819.4	1,003.8	1,000.1	908.6	1,031.7	1,054.3	1,412.6	1,473.8
Utah	68.7	80.1	101.5	133.2	161.8	211.6	243.9	305.7	287.9	268.9	232.4
Vermont	25.1	31.6	39.7	36.6	23.7	16.7	36.6	18.7	35.7	23.7	33.8
Virginia	642.3	726.8	751.5	780.2	857.1	945.1	1,059.3	1,066.4	1,268.1	2,286.1	2,247.2
Washington	650.4	694.6	705.6	879.1	878.3	864.7	951.8	1,047.5	1,038.9	709.3	881.8
West Virginia	25.9	46.5	37.2	50.6	73.3	107.2	152.0	151.2	91.0	82.5	73.3
Wisconsin	79.6	79.2	82.8	94.8	111.9	111.0	121.7	132.2	129.4	142.4	166.0
Wyoming	11.0	16.3	19.4	24.2	40.8	41.0	53.9	58.2	25.4	28.4	34.0
Outlying areas	19.6	28.8	22.4	47.8	38.7	39.4	45.3	38.9	40.7	32.0	44.9
Offices abroad	49.1	43.9	43.0	38.6	45.9	57.7	73.5	47.2	59.0	51.0	34.6

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 98 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-108a. Federal[1] obligations for research and development, by State: fiscal years 1985-93

[Dollars in millions]

Page 1 of 1

State	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	47,214.8	50,310.2	54,067.4	55,471.0	59,485.0	62,105.2	59,865.4	64,089.7	65,744.1
Alabama	896.6	1,188.2	1,346.4	1,363.7	1,646.7	1,805.4	1,863.2	2,151.7	2,149.4
Alaska	51.5	49.4	48.8	50.5	71.3	90.7	102.7	93.0	92.7
Arizona	458.2	398.1	414.9	369.4	501.2	591.7	516.8	638.2	535.3
Arkansas	39.7	40.5	52.3	56.4	57.0	85.7	85.9	68.8	79.2
California	10,771.8	11,512.3	13,672.2	14,895.9	15,919.4	16,249.3	14,488.3	15,999.1	14,883.7
Colorado	629.2	1,636.4	1,516.3	1,408.4	1,618.1	1,888.3	2,694.2	1,479.2	1,343.4
Connecticut	742.8	577.3	672.2	619.5	596.7	509.8	672.7	578.3	522.2
Delaware	34.7	30.2	32.3	36.0	31.9	28.3	41.8	43.1	56.2
District of Columbia	2,077.7	2,324.0	2,209.2	2,925.3	1,914.9	1,593.1	1,943.7	2,185.2	2,488.9
Florida	1,205.2	1,448.0	2,297.3	2,133.4	2,269.8	2,343.4	2,181.1	2,832.3	2,775.3
Georgia	291.8	250.5	352.1	350.4	392.5	364.1	466.5	2,512.6	3,035.3
Hawaii	58.2	54.7	63.9	82.2	97.4	100.0	112.6	150.7	113.0
Idaho	259.7	266.6	232.7	250.1	195.9	326.1	279.1	299.5	303.7
Illinois	772.8	745.0	827.3	850.7	909.1	957.2	959.4	921.9	963.8
Indiana	227.7	295.1	339.4	312.1	392.5	363.6	378.7	367.0	513.6
Iowa	150.3	224.3	162.4	197.1	190.9	186.7	209.8	194.7	215.8
Kansas	138.1	112.7	94.2	126.7	128.8	116.4	83.6	91.2	87.9
Kentucky	69.2	59.1	61.9	68.5	73.0	96.5	122.4	71.7	86.7
Louisiana	118.8	92.4	107.4	101.3	179.6	121.2	163.6	169.6	152.6
Maine	36.7	35.6	178.6	39.8	67.7	39.7	57.1	60.6	65.2
Maryland	4,371.6	4,512.5	4,036.3	4,355.3	4,849.0	5,332.1	5,569.0	5,779.7	7,238.6
Massachusetts	3,276.7	3,240.3	3,910.8	2,702.0	2,882.5	2,982.8	3,146.8	3,227.9	3,551.7
Michigan	502.1	460.5	463.3	417.5	686.2	810.8	772.6	876.3	878.0
Minnesota	718.7	515.4	506.6	576.8	597.3	529.8	455.7	456.4	445.5
Mississippi	172.4	143.4	184.4	185.1	198.7	471.7	230.6	255.7	259.8
Missouri	694.2	677.8	614.7	637.6	1,241.9	1,064.3	587.9	733.5	726.3
Montana	26.0	26.4	30.1	35.5	36.2	30.9	45.8	71.5	69.1
Nebraska	34.6	41.1	48.9	52.1	51.2	76.4	76.1	71.1	78.5
Nevada	490.4	462.6	462.0	443.3	427.5	484.7	496.0	465.8	406.2
New Hampshire	130.3	136.0	83.6	60.8	98.0	145.1	196.3	156.1	237.6
New Jersey	1,791.8	1,781.4	1,114.9	1,209.3	1,320.4	1,601.6	1,698.3	1,646.8	1,422.8
New Mexico	2,368.6	2,500.0	1,998.2	2,296.1	2,220.4	2,311.3	2,018.7	2,211.3	2,309.6
New York	3,128.4	3,163.5	2,941.8	2,688.7	2,904.1	2,960.8	3,086.6	3,058.7	2,538.0
North Carolina	485.7	497.7	583.8	625.0	562.8	618.6	673.8	700.7	719.1
North Dakota	32.7	27.2	29.4	32.5	33.3	53.1	43.7	54.2	50.3
Ohio	1,520.5	1,591.7	1,862.9	1,865.2	1,938.8	2,088.5	1,729.9	1,863.4	1,921.7
Oklahoma	81.3	69.8	99.4	103.7	117.6	162.6	131.5	126.1	117.9
Oregon	151.6	127.6	133.9	170.3	168.4	175.6	216.5	226.5	229.4
Pennsylvania	1,329.6	1,301.3	1,681.9	1,731.6	1,961.9	2,074.6	2,125.8	1,794.4	2,566.5
Rhode Island	334.3	392.7	365.4	335.6	314.1	391.1	433.8	386.3	495.6
South Carolina	119.9	122.5	123.7	148.7	222.6	230.9	250.4	172.1	173.2
South Dakota	14.4	14.6	12.8	13.1	15.0	15.7	22.5	23.9	26.9
Tennessee	556.3	591.3	732.0	567.2	576.0	825.0	732.2	666.0	674.4
Texas	1,664.6	1,912.0	2,261.3	2,514.9	3,189.2	3,496.8	2,321.4	2,873.0	2,546.2
Utah	250.9	274.6	427.3	462.0	517.8	437.7	429.1	314.0	298.8
Vermont	36.1	41.1	39.6	55.9	60.1	42.5	56.1	51.3	62.1
Virginia	2,472.4	2,810.0	2,292.5	2,729.1	2,778.0	2,733.5	2,909.0	3,231.3	3,402.6
Washington	1,036.5	1,153.9	1,878.8	1,765.6	1,766.2	1,567.0	1,241.1	900.5	878.1
West Virginia	66.5	88.7	115.8	113.4	104.0	116.6	177.9	166.4	206.2
Wisconsin	200.8	181.9	204.8	223.2	263.5	271.7	294.5	307.7	350.8
Wyoming	25.1	14.5	23.5	29.0	38.5	57.4	29.8	41.4	48.2
Outlying areas	62.8	36.8	42.9	33.0	45.7	54.9	221.7	246.9	332.7
Offices abroad	35.9	59.2	78.2	54.2	43.4	31.7	21.0	24.4	17.8

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 98 percent or more of the total Federal R&D obligations in that year

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table C-109. Federal obligations for R&D plant, by State: fiscal years 1974-84

[Dollars in millions]

Page 1 of 1

State	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
Total	749.8	801.0	799.2	1,334.0	1,262.0	1,393.8	1,533.1	1,454.4	1,380.1	1,280.9	1,770.6
Alabama	5.6	8.4	12.3	5.3	6.5	2.6	47.9	16.5	5.8	6.0	26.4
Alaska	.1	.9	.8	.6	.7	.8	.1	-	-	21.3	.1
Arizona	3.6	1.3	2.7	1.6	33.9	35.3	1.8	.4	.4	5.4	3.6
Arkansas	.4	.7	.9	2.8	.9	.2	.7	.7	1.0	1.5	.5
California	141.1	151.1	147.3	303.3	259.5	400.2	377.4	355.4	334.6	368.4	316.8
Colorado	7.9	4.9	12.0	12.7	11.6	9.7	35.6	26.9	16.6	43.9	52.3
Connecticut	5.2	3.8	1.9	3.9	2.3	12.3	1.0	9.2	25.1	5.5	5.2
Delaware	.1	.1	.0		-	.0	.7	1.6	.1	.4	.6
District of Columbia	1.1	7.9	21.4	11.3	11.1	22.0	14.3	31.7	33.6	24.6	62.4
Florida	51.7	96.0	76.3	155.2	81.1	46.0	46.7	25.5	31.8	37.2	91.2
Georgia	.1	.5	.2	1.2	1.8	1.0	.6	1.6	1.5	2.1	3.8
Hawaii	.4	6.2	2.8	.5	.7	.5	.2	.7	.1	1.6	.6
Idaho	11.0	16.2	19.7	26.1	35.6	41.8	45.1	11.9	21.4	19.7	11.9
Illinois	42.9	29.6	45.2	52.0	72.9	61.9	71.5	74.1	74.3	80.3	81.2
Indiana	.1	.1	.8	.6	.4	.7	.7	.9	.6	1.3	2.8
Iowa	.5	.7	1.1	1.5	2.3	2.2	2.9	2.1	2.2	2.7	3.5
Kansas	.1	-	.1	.1	.2	-	.1	.1	.1	.2	.3
Kentucky	.2	.0	.0	.0	-	2.9	-	4.3	1.4	.4	.3
Louisiana	1.6	.3	2.3	3.6	20.9	16.7	12.6	14.1	22.2	2.4	2.6
Maine	.2			.1	.1	.1	-	-	-	-	-
Maryland	60.8	40.1	36.7	80.4	82.7	64.3	53.3	52.3	82.2	80.8	180.1
Massachusetts	9.5	11.0	14.0	24.4	28.7	36.9	20.4	35.7	23.3	29.4	62.8
Michigan	.2	.6	2.0	1.1	1.9	3.0	8.3	9.5	7.8	1.1	6.4
Minnesota	23.4	.1	.5	.4	1.2	.8	.3	.5	.4	.8	3.1
Mississippi	15.2	4.8	4.1	11.5	6.0	3.8	6.6	3.4	5.9	6.4	13.7
Missouri	.8	4.1	.5	.9	1.2	5.6	40.9	1.8	5.7	6.0	3.9
Montana	.1	.3	.1	.8	-	1.2	3.7	.1	.1	.2	.2
Nebraska	1.5	.4	1.0	.2	.3	.8	2.1	.6	.7	.5	.7
Nevada	9.2	11.7	11.7	14.8	18.5	24.2	22.4	82.9	30.0	33.0	108.4
New Hampshire	1.1	2.9	2.0	2.4	1.3	5.4	-	7.7	.1	.7	.1
New Jersey	2.5	11.5	22.1	64.8	96.7	64.8	60.5	55.7	57.0	42.0	52.7
New Mexico	50.3	68.1	76.6	137.9	101.7	138.6	169.5	119.3	196.6	191.8	102.3
New York	77.1	46.4	37.5	61.0	63.8	69.4	91.4	85.1	65.0	77.0	175.0
North Carolina	4.1	.3	.6	66.8	3.5	3.9	8.2	1.2	1.4	4.1	3.6
North Dakota	.2	.4	.5	.6	2.3	1.4	4.1	1.4	1.2	.9	.9
Ohio	19.6	15.1	13.6	60.4	23.9	28.0	40.3	65.2	23.7	7.5	49.6
Oklahoma	.1	.3	.2	.4	1.0	.6	3.2	2.7	1.2	1.3	.9
Oregon	.1	1.2	2.0	-	2.6	.9	3.9	1.0	.1	.2	3.4
Pennsylvania	21.8	18.9	11.0	8.1	28.8	46.5	35.5	95.2	51.1	19.2	20.1
Rhode Island	.7	4.9	4.5	5.3	2.4	3.5	2.6	1.6	2.1	1.9	.7
South Carolina	7.7	3.8	3.3	2.2	6.9	9.7	3.1	18.8	65.2	49.6	146.4
South Dakota	.4	.0	.0	-	.1	1.6	3.1	.7	.9	.2	.1
Tennessee	33.6	39.3	60.5	37.8	43.4	55.8	80.1	85.5	65.2	27.3	69.9
Texas	6.1	7.6	7.8	10.4	11.8	9.7	14.2	13.9	10.2	4.7	9.6
Utah	4.1	2.1	.8	1.5	8.0	2.9	1.9	1.5	3.1	.5	2.0
Vermont	1.0	.0	.0	.0	.0	-	.0	-	.0	.0	.0
Virginia	14.0	23.1	11.6	24.7	29.3	42.0	41.5	33.9	21.1	29.4	52.2
Washington	102.1	146.5	103.1	113.4	118.3	86.8	128.2	89.0	80.8	12.0	13.6
West Virginia	.8	1.9	16.7	16.7	17.0	13.1	12.9	3.7	1.1	23.3	4.8
Wisconsin	6.9	2.9	4.9	.5	9.6	2.9	2.5	3.0	1.0	1.9	10.2
Wyoming	-	.3	.2	.3	.9	1.2	4.3	2.0	1.2	.1	.3
Outlying areas	.6	.5	.3	.1	1.7	.5	2.9	.7	.5	.2	3.3
Offices abroad	.2	1.1	1.0	1.9	3.9	7.1	1.1	1.3	1.4	1.7	3.5

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D-supporting agencies which were requested to report to this section of the survey in that year, and represent 98 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: - = Amount less than 50 thousand dollars

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

Table C-109a. Federal obligations for R&D plant, by State: fiscal years 1985-93

[Dollars in millions]

Page 1 of 1

State	1985	1986	1987	1988	1989	1990	1991	1992	1993
Total	1,774.7	1,482.5	1,793.8	2,025.1	2,144.3	2,230.1	2,807.0	2,962.9	3,054.5
Alabama	41.4	41.2	42.8	51.8	47.2	109.7	165.0	346.1	368.2
Alaska	12.9	0	0	6.4	0	11.1	2	8	1.0
Arizona	2.9	1.7	19.6	21.8	18.1	2.5	16.4	7.9	16.9
Arkansas	5	9	5	4	3.1	2.2	5.3	4.4	3.3
California	404.2	323.5	290.7	429.0	446.7	459.0	377.8	356.1	469.6
Colorado	32.4	16.3	12.8	53.5	62.5	32.3	50.7	55.6	30.0
Connecticut	8.4	1.2	4	1.0	1.4	1.8	2.6	2.6	14.4
Delaware	4	4	4	1.3	2	–		1	2.1
District of Columbia	92.5	28.0	24.1	15.4	17.1	7.4	16.3	17.8	13.3
Florida	42.8	53.2	64.6	86.0	100.0	68.3	132.1	143.1	73.5
Georgia	2.6	15.6	23.1	2.7	10.8	3.6	6.0	6.4	3.5
Hawaii	9	6	6	6.9	4	1.4	9.2	6.5	19.3
Idaho	8.3	24.7	17.8	39.6	12.0	30.3	46.0	39.6	27.4
Illinois	110.1	96.6	94.3	76.7	94.9	116.3	319.7	183.9	201.6
Indiana	4.5	5	5.8	1.9	1.5	1.3	5.0	8.4	22.6
Iowa	1.4	3.3	22.7	3.8	6.2	10.4	26.1	5.2	7.9
Kansas	2.3	41.0	49.8	1	1.6	3.1	5.2	2.5	10.1
Kentucky	3	3	1.7	1	5	7	1.6	0	0
Louisiana	2.0	2.2	2.5	31.9	47.2	33.6	26.1	26.2	29.5
Maine			–	3	1	7	7	1.5	1.0
Maryland	145.4	78.6	109.8	79.2	120.1	178.9	235.9	229.7	264.6
Massachusetts	66.1	17.7	36.3	94.2	54.7	78.2	32.5	20.2	22.3
Michigan	5.1	1.2	1.4	4.4	4.6	6.6	3.0	9.1	21.7
Minnesota	8	1.1	4	7	1.8	1.1	2.1	2.5	3.0
Mississippi	12.6	13.5	39.1	19.1	41.1	47.4	50.8	41.6	42.2
Missouri	3.7	4.7	4.8	2.7	3.7	1.9	6.5	1.7	1.5
Montana	2	2	2	2	2	5	1.6	2.7	1.6
Nebraska	4	7.3	1.4	4.1	2.8	4.1	6.0	5.7	1.0
Nevada	155.2	69.9	87.0	103.3	69.3	61.1	57.7	59.7	50.2
New Hampshire	4	3	2	–	2	3	3	4.0	8
New Jersey	40.1	37.6	39.8	52.6	46.8	51.3	30.0	39.0	53.2
New Mexico	243.7	192.0	256.6	231.4	239.6	197.9	175.5	164.7	181.4
New York	75.3	105.0	113.4	115.3	101.6	100.6	107.2	194.5	177.7
North Carolina	10.4	2.2	3.4	9	4.3	3.4	7.4	6.8	36.6
North Dakota	1.3	8.8	8	9.2	6.0	7.4	9.0	7.4	5.5
Ohio	46.5	19.2	58.1	68.5	69.8	56.3	115.4	122.2	64.1
Oklahoma	1.7	2.3	9	10.7	4.5	1.5	3.3	4.1	1.0
Oregon	1.2	12.0	24.7	8.6	30.1	12.3	3.3	1.8	13.8
Pennsylvania	18.7	19.0	41.4	56.3	79.0	36.0	89.5	52.0	95.7
Rhode Island	31.6	5.5	6.4	2.0	1.6	8	14.3	1.9	6
South Carolina	7.5	5.7	19.6	8.2	8.9	3.7	31.9	4.1	4.9
South Dakota	1	–	1	6	3	1.7	2.0	1.5	1.0
Tennessee	33.8	30.8	29.3	57.2	58.8	62.4	63.2	48.1	29.5
Texas	19.4	79.7	75.1	40.7	97.6	210.6	218.0	465.7	429.1
Utah	2.4	13.6	14.2	6.8	12.1	2.5	3.5	1.5	3.5
Vermont	0	0	1.0	8.0	1.4	4	8	0	1
Virginia	26.7	45.5	89.4	105.5	127.4	128.7	175.5	172.4	131.0
Washington	32.7	26.4	24.8	31.2	35.5	44.2	34.5	54.3	71.6
West Virginia	11.4	10.2	16.5	23.2	26.7	12.4	89.4	9.7	8.4
Wisconsin	5.6	2.7	4.0	2.0	4.0	4.4	13.0	10.2	8.0
Wyoming	1	1	3	2	1	2	7	1.8	6
Outlying areas	1.4	13.9	18.2	46.5	1.5	14.9	11.0	6.9	13.1
Offices abroad	2.3	4.5	1.0	9	16.8	3	5	6	6

NOTES: For each year, the data shown include the obligations of the 10 or 11 major R&D supporting agencies which were requested to report to this section of the survey in that year, and represent 98 percent or more of the total Federal R&D obligations in that year.

Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by the reporting agencies, corresponding corrections to the geographic distributions are rarely obtainable.

Because of rounding, detail may not add to totals.

KEY: – Amount less than 50 thousand dollars.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995.

APPENDIX A.

AGENCIES INCLUDED IN THIS SURVEY, VOLUMES 24 TO 43

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 24-33

Page 1 of 5

Agency	Vol 24	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	x	x	x	O	O	O	x	x	x	x
Agricultural Marketing Service	N	N	N	N	N	x	x	x	x	x
Agricultural Research Service	N	N	N	N	N	N	N	x	x	x
Animal and Plant Health Inspection Service	N	N	N	O	O	O	O	O	O	O
Cooperative State Research Service	N	N	N	N	N	N	N	x	x	x
Economics, Statistics, and Cooperative Service	N	N	N	x	x	x	N	N	N	N
Economic Research Service	O	x	x	N	N	N	N	N	N	N
Farmer Cooperative Research Service	O	x	x	N	N	N	N	N	N	N
Statistical Reporting Service	x	x	x	N	N	N	N	N	N	N
Economics and Statistics Service	N	N	N	N	N	N	x	N	N	N
Economic Research Service	N	N	N	N	N	N	N	x	x	x
Federal Grain Inspection Service	N	N	O	O	O	O	O	O	O	O
Forest Service	x	x	x	x	x	x	x	x	x	x
Human Nutrition Information Service	N	N	N	N	N	N	N	x	x	x
Office of International Cooperation and Development	N	N	N	N	N	x	x	x	x	x
Office of Transportation	N	N	N	N	N	x	x	x	x	x
Science and Education Administration	T	T	T	T	T	T	N	N	N	N
Agricultural Research Service	x	x	x	x	x	x	x	N	N	N
Cooperative State Research Service	x	x	x	x	x	x	x	N	N	N
National Agricultural Library	x	x	x	N	N	N	N	N	N	N
National Agricultural Statistics Service	x	x	x	N	N	N	N	x	x	x
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	x	x	x	x	x	x	x	x	x	x
Economic Development Administration	x	x	x	x	x	x	x	x	x	x
Energy Research and Technology Administration	N	N	N	N	N	N	N	x	N	N
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	x	x	x	x	x	x	x	N	N	N
National Institute of Standards and Technology	x	x	x	x	x	x	x	x	x	x
National Fire Prevention and Control Administration	O	x	x	x	N	N	N	N	N	N
National Oceanic and Atmospheric Administration	x	x	x	x	x	x	x	x	x	x
National Technical Information Service	N	x	x	O	O	O	O	O	O	O
National Telecommunications and Information Administration	N	N	N	x	x	x	x	x	x	x
Minority Business Development Agency	x	x	x	x	O	O	O	O	O	O
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications	x	x	x	N	N	N	N	N	N	N
Office of the Secretary	O	O	O	O	O	x	x	O	x	x
Patent and Trademark Office	x	x	x	x	x	x	x	x	x	O
U.S. Travel and Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Department of the Army	T	T	T	T	T	T	T	T	T	T
Department of the Army, Military Functions	x	x	x	x	x	x	x	x	x	x
Department of the Army, Civil Functions	x	x	x	x	x	x	x	x	x	x
Department of the Navy	x	x	x	x	x	x	x	x	x	x
Department of the Air Force	x	x	x	x	x	x	x	x	x	x
Defense Agencies	T	T	T	T	T	T	T	T	T	T
Joint Staff	O	O	O	O	O	O	O	O	O	O
Advanced Research Projects Agency	O	O	O	O	O	O	O	O	O	O
Washington Headquarters Service	O	O	O	O	O	O	O	O	O	O
Ballistic Missile Defense Organization	O	O	O	O	O	O	O	O	O	O

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 24-33

Page 2 of 5

Agency	Vol 24	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33
Department of Defense—continued										
Defense Nuclear Agency	O	O	O	O	O	O	O	O	O	O
Defense Mapping Agency	x	x	O	O	x	x	x	x	x	O
Defense Information Systems Agency	x	x	O	O	O	O	O	O	O	O
Uniformed Services University of the Health Sciences	x	x	x	x	x	x	x	x	x	x
Special Foreign Currency Program/Operations Command	O	O	O	O	O	O	O	O	O	x
Defense Logistics Agency	O	O	O	O	O	O	O	O	O	O
Defense Civil Preparedness Agency	x	x	x	x	x	N	N	N	N	N
Test and Evaluation, Deputy Under Secretary of Defense	x	x	x	x	x	x	x	x	x	x
Director, Operational Test and Evaluation	N	N	N	N	N	N	N	N	N	N
Assistant Secretary of Defense for Hea[illegible]ffairs	N	N	N	N	N	N	N	N	N	N
Department of Health, Education, and Welfare	T	T	T	T	T	N	N	N	N	N
Alcohol, Drug Abuse, and Mental Health Administration	x	x	x	x	x	N	N	N	N	N
Environmental Health Service	x	x	x	x	x	N	N	N	N	N
Centers for Disease Control	x	x	x	x	x	N	N	N	N	N
Food and Drug Administration	x	x	x	x	x	N	N	N	N	N
Health Care Financing Administration	N	N	N	x	x	N	N	N	N	N
Health Resources Administration	x	x	x	x	x	N	N	N	N	N
Health Services Administration	x	x	x	x	x	N	N	N	N	N
Health Services and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	x	x	x	x	x	N	N	N	N	N
National Institute of Education	x	x	x	x	x	N	N	N	N	N
National Institutes of Health	x	x	x	x	x	N	N	N	N	N
Office of Assistant Secretary for Education	O	x	x	x	x	N	N	N	N	N
Office of Assistant Secretary for Health	O	O	O	x	x	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	x	x	x	x	x	N	N	N	N	N
Office of International Health	x	N	N	N	N	N	N	N	N	N
Office of the Secretary	x	x	x	x	x	N	N	N	N	N
Social and Rehabilitation Service	x	x	x	N	N	N	N	N	N	N
Social Security Administration	x	x	x	x	x	N	N	N	N	N
Department of Housing and Urban Development	x	x	x	x	x	x	x	x	x	x
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	x	x	x	N	N	N	N	N	N	N
Bureau of Land Management	x	x	x	x	x	x	x	x	x	x
Bureau of Mines	x	x	x	x	x	x	x	x	x	x
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Reclamation	x	x	x	x	x	x	x	x	x	x
Geological Survey	x	x	x	x	x	x	x	x	x	x
Minerals Management Service	N	N	N	N	N	N	N	N	O	x
Heritage Conservation and Recreation Service	x	x	x	x	N	N	N	N	N	N
National Park Service	x	x	x	x	x	x	x	x	x	x
National Resources Library	N	O	O	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Office Surface Mining Reclamation and Enforcement	N	N	N	x	x	x	x	x	x	x
Office of Water Research and Technology	x	x	x	x	x	x	x	x	x	x
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N
U.S. Fish and Wildlife Service	x	x	x	x	x	x	x	x	x	x

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 24-33

Page 3of 5

Agency	Vol 24	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33
Department of the Interior—continued										
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries and Wildlife	N	N	N	N	N	N	N	N	N	N
Department of Justice	T	T	T	T	T	T	T	T	T	T
Federal Prison System	x	x	x	x	x	x	x	x	x	x
Drug Enforcement Administration	x	x	x	x	x	x	x	x	x	x
Federal Bureau of Investigation	x	x	x	x	x	x	x	x	x	x
Immigration and Naturalization Service	O	x	x	x	x	x	x	x	x	x
Office of Justice Programs	x	x	x	x	x	x	x	x	x	x
Office of Legal Policy	O	O	x	x	x	x	x	x	x	x
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship and Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	x	x	x	x	x	x	x	x	x	x
Employment Standards Administration	x	x	x	x	x	x	x	x	x	x
Employment and Training Administration	x	x	x	x	x	x	x	x	x	x
Labor-Management Relations and Cooperative Programs	N	N	N	N	N	N	N	N	N	N
Labor-Management Services Administration	x	x	x	x	x	x	x	x	x	x
Occupational Safety and Health Administration	x	x	x	x	x	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Pension and Welfare Benefits Administration	N	N	N	N	N	N	N	N	N	N
Pension Benefit Guarantee Corporation	N	N	N	N	N	N	N	x	x	x
Wage and Hour Division	O	O	O	O	O	O	O	O	O	O
Department of State	T	T	T	T	T	T	T	T	x	x
Agency for International Development	x	x	x	x	x	N	N	N	N	N
Bureau of Intelligence and Research	O	O	O	O	O	O	O	O	O	O
Departmental Funds	x	x	x	x	x	x	x	x	O	O
Peace Corps	N	N	N	N	N	N	N	N	N	N
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	x	x	x	x	x	x	x	x	x	x
Federal Aviation Administration	x	x	x	x	x	x	x	x	x	x
Federal Highway Administration	x	x	x	x	x	x	x	x	x	x
Federal Railroad Administration	x	x	x	x	x	x	x	x	x	x
Maritime Administration	N	N	N	N	N	N	N	x	x	x
National Highway Traffic Safety Administration	x	x	x	x	x	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Research and Special Programs Administration	N	N	N	O	x	x	x	x	x	x
Federal Transit Administration	x	x	x	x	x	x	x	x	x	x
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, and Firearms	O	O	O	x	x	x	x	x	N	N
Bureau of Engraving and Printing	x	x	x	x	x	x	x	x	x	x
Financial Crimes Enforcement Network	O	O	O	O	O	O	O	O	O	O
U.S. Customs Service	O	O	x	x	x	x	x	x	x	x
Internal Revenue Service	O	O	O	O	x	x	x	x	x	x
United States Mint	O	O	O	O	O	O	O	O	O	O
Office of Protective Research	N	N	N	N	N	N	x	x	x	x
Office of Thrift Supervision	N	N	N	N	N	N	N	N	N	N
Department of Energy	N	N	N	x	x	x	x	x	x	x

See explanatory information and SOURCE at end of table.

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Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 24-33

Page 4 of 5

Agency	Vol 24	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33
Department of Education	N	N	N	N	N	x	x	x	x	x
Department of Health and Human Services	N	N	N	N	N	T	T	T	T	T
Alcohol, Drug Abuse, and Mental Health Administration	N	N	N	N	N	x	x	x	x	x
Centers for Disease Control	N	N	N	N	N	x	x	x	x	x
Food and Drug Administration	N	N	N	N	N	x	x	x	x	x
Health Care Financing Administration	N	N	N	N	N	x	x	x	x	x
Health Resources Administration	N	N	N	N	N	x	x	x	N	N
Health Resources and Services Administration	N	N	N	N	N	N	N	N	x	x
Health Services Administration	N	N	N	N	N	x	x	x	N	N
Administration for Children and Families	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	x	x	x	x	x
Office of the Assistant Secretary for Health	N	N	N	N	N	x	x	x	x	x
Agency for Health Care Policy and Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	x	x	x	x	x
Social Security Administration	N	N	N	N	N	x	x	x	x	x
Administration on Aging	N	N	N	N	N	N	N	N	N	N
Other agencies										
ACTION	x	x	x	x	x	x	O	O	O	O
Advisory Commission on Intergovernmental Relations	x	x	x	x	x	x	x	x	x	x
Appalachian Regional Commission	N	N	x	x	x	x	x	x	x	x
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	O	O	O	O	O	O	N	N	N	N
Civil Service Commission	x	x	x	x	N	N	N	N	N	N
Community Services Administration	x	x	x	x	x	x	x	x	N	N
Consumer Product Safety Commission	x	x	x	x	x	x	x	x	x	x
Energy Research and Development Administration	x	x	x	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	x	N	N	N	N
Environmental Protection Agency	x	x	x	x	x	x	x	x	x	x
Federal Communications Commission	x	x	x	x	x	x	x	x	x	x
Federal Emergency Management Agency	N	N	N	N	x	x	x	x	x	x
Federal Energy Administration	O	x	x	N	N	N	N	N	N	N
Office of Thrift Supervision	x	x	x	x	x	x	x	x	x	x
Federal Trade Commission	x	x	x	x	x	x	x	x	x	x
General Services Administration	x	x	x	x	x	x	x	x	x	x
United States Information Agency	x	x	x	x	x	x	x	x	x	x
Agency for International Development	N	N	N	N	N	x	x	x	x	x
Interstate Commerce Commission	O	O	x	x	x	x	x	O	O	O
Library of Congress	x	x	x	x	x	x	x	x	x	x
National Aeronautics and Space Administration	x	x	x	x	x	x	x	x	x	x
National Archives and Records Administration	N	N	N	N	N	N	N	N	N	N
National Science Foundation	x	x	x	x	x	x	x	x	x	x
Nuclear Regulatory Commission	x	x	x	x	x	x	x	x	x	x
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	N	N	N	N	x	x	x	x	O	O
Office of Science and Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	x	x	x	N	N	N	N	N	N	N
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	O	x	x	x	O	O	O	O	O	O
Smithsonian Institution	x	x	x	x	x	x	x	x	x	x

See explanatory information and SOURCE at end of table.

Table A-1. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 24-33

Page 5 of 5

Agency	Vol 24	Vol 25	Vol 26	Vol 27	Vol 28	Vol 29	Vol 30	Vol 31	Vol 32	Vol 33
Other agencies—continued										
Special Action Office for Drug Abuse Prevention	x	x	N	N	N	N	N	N	N	N
Tennessee Valley Authority	x	x	x	x	x	x	x	x	x	x
U.S. Arms Control and Disarmament Agency	x	x	x	x	x	x	x	x	x	x
U.S. International Trade Commission	O	O	x	x	x	x	x	x	x	x
Department of Veteran Affairs	x	x	x	x	x	x	x	x	x	x

NOTE: Federal Funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the current fiscal year and the budget year. For Volume 43 (see Table A-2), for example, actual data were collected for FY 1993 and estimates were collected for FY 1994 and FY 1995.

KEY:
N = The agency did not exist as such; therefore no data are available.
O = The agency existed but had no R&D to report.
T = The agency existed but data were not collected at this level.
x = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 34-43

Page 1 of 5

Agency	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43
Department of Agriculture	T	T	T	T	T	T	T	T	T	T
Agricultural Cooperative Service	x	x	x	x	x	x	x	x	x	x
Agricultural Marketing Service	x	x	x	x	x	x	x	x	x	x
Agricultural Research Service	x	x	x	x	x	x	x	x	x	x
Animal and Plant Health Inspection Service	O	O	x	x	x	x	x	x	x	x
Cooperative State Research Service	x	x	x	x	x	x	x	x	x	x
Economics, Statistics, and Cooperative Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	N	N	N	N	N	N	N	N	N	N
Farmer Cooperative Research Service	N	N	N	N	N	N	N	N	N	N
Statistical Reporting Service	N	N	N	N	N	N	N	N	N	N
Economics and Statistics Service	N	N	N	N	N	N	N	N	N	N
Economic Research Service	x	x	x	x	x	x	x	x	x	x
Federal Grain Inspection Service	O	x	x	x	x	x	x	x	x	x
Forest Service	x	x	x	x	x	x	x	x	x	x
Human Nutrition Information Service	x	x	x	x	x	x	x	x	x	x
Office of International Cooperation and Development	x	x	x	x	x	x	x	x	x	x
Office of Transportation	x	x	x	x	x	N	N	N	N	N
Science and Education Administration	N	N	N	N	N	N	N	N	N	N
Agricultural Research Service	N	N	N	N	N	N	N	N	N	N
Cooperative State Research Service	N	N	N	N	N	N	N	N	N	N
National Agricultural Library	N	N	N	N	N	N	N	N	N	N
National Agricultural Statistics Service	x	x	x	x	x	x	x	x	x	x
Foreign Agricultural Service	O	O	O	O	O	O	O	O	O	x
Department of Commerce	T	T	T	T	T	T	T	T	T	T
Bureau of the Census	x	x	x	x	x	x	x	x	x	x
Economic Development Administration	x	x	x	x	x	x	x	x	x	x
Energy Research and Technology Administration	N	N	N	N	N	N	N	N	N	N
Environmental Science Services Administration	N	N	N	N	N	N	N	N	N	N
Maritime Administration	N	N	N	N	N	N	N	N	N	N
National Institute of Standards and Technology	x	x	x	x	x	x	x	x	x	x
National Fire Prevention and Control Administration	N	N	N	N	N	N	N	N	N	N
National Oceanic and Atmospheric Administration	x	x	x	x	x	x	x	x	x	x
National Technical Information Service	O	O	O	O	O	O	O	O	O	O
National Telecommunications and Information Administration	x	x	x	x	x	x	x	x	x	x
Minority Business Development Agency	O	O	O	O	O	O	O	O	O	O
Office of Productivity, Technology, and Innovation	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	x	x	x	x	O	O	O	O	O	x
Patent and Trademark Office	O	O	O	O	O	O	O	O	O	O
U.S. Travel and Tourism Administration	O	O	O	O	O	O	O	O	O	O
Department of Defense	T	T	T	T	T	T	T	T	T	T
Department of the Army	T	T	T	T	T	T	T	T	T	T
Department of the Army, Military Functions	x	x	x	x	x	x	x	x	x	x
Department of the Army, Civil Functions	x	x	x	x	x	x	x	x	x	x
Department of the Navy	x	x	x	x	x	x	x	x	x	x
Department of the Air Force	x	x	x	x	x	x	x	x	x	x
Defense Agencies	T	T	T	T	T	T	T	T	T	T
Joint Staff	O	O	O	x	x	x	x	x	x	x
Advanced Research Projects Agency	O	O	O	x	x	x	x	x	x	x
Washington Headquarters Service	O	O	O	O	O	O	x	x	x	x

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 34-43

Page 2 of 5

Agency	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43
Department of Defense—continued										
Ballistic Missile Defense Organization	O	O	O	O	O	O	x	x	x	x
Defense Nuclear Agency	O	O	x	x	x	x	x	x	x	x
Defense Mapping Agency	x	x	x	x	x	x	x	x	x	x
Defense Information Systems Agency	O	O	O	O	O	O	x	x	x	x
Uniformed Services University of the Health Sciences	x	x	x	x	x	x	x	x	x	x
Special Foreign Currency Program/Operations Command	x	x	x	x	x	x	x	x	x	x
Defense Logistics Agency	O	O	O	x	x	x	x	x	x	x
Defense Civil Preparedness Agency	N	N	N	N	N	N	N	N	N	N
Test and Evaluation, Deputy Under Secretary of Defense	x	x	x	x	x	x	x	x	x	x
Director, Operational Test and Evaluation	N	N	O	x	x	x	x	x	x	x
Assistant Secretary of Defense for Health Affairs	N	N	N	N	N	N	N	x	O	O
Department of Health, Education, and Welfare	N	N	N	N	N	N	N	N	N	N
Alcohol, Drug Abuse, and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Environmental Health Service	N	N	N	N	N	N	N	N	N	N
Centers for Disease Control	N	N	N	N	N	N	N	N	N	N
Food and Drug Administration	N	N	N	N	N	N	N	N	N	N
Health Care Financing Administration	N	N	N	N	N	N	N	N	N	N
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Health Services and Mental Health Administration	N	N	N	N	N	N	N	N	N	N
Office of Human Development Services	N	N	N	N	N	N	N	N	N	N
National Institute of Education	N	N	N	N	N	N	N	N	N	N
National Institutes of Health	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Education	N	N	N	N	N	N	N	N	N	N
Office of Assistant Secretary for Health	N	N	N	N	N	N	N	N	N	N
Office of Child Development	N	N	N	N	N	N	N	N	N	N
Office of Education	N	N	N	N	N	N	N	N	N	N
Office of International Health	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	N	N	N	N	N	N	N	N	N	N
Social and Rehabilitation Service	N	N	N	N	N	N	N	N	N	N
Social Security Administration	N	N	N	N	N	N	N	N	N	N
Department of Housing and Urban Development	x	x	x	x	x	x	x	x	x	x
Department of the Interior	T	T	T	T	T	T	T	T	T	T
Bonneville Power Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Land Management	x	x	x	x	x	x	x	x	x	x
Bureau of Mines	x	x	x	x	x	x	x	x	x	x
Federal Water Pollution Control Administration	N	N	N	N	N	N	N	N	N	N
Bureau of Reclamation	x	x	x	x	x	x	x	x	x	x
Geological Survey	x	x	x	x	x	x	x	x	x	x
Minerals Management Service	x	x	x	x	x	x	x	x	x	x
Heritage Conservation and Recreation Service	N	N	N	N	N	N	N	N	N	N
National Park Service	x	x	x	x	x	x	x	x	x	x
National Resources Library	N	N	N	N	N	N	N	N	N	N
Office of Coal Research	N	N	N	N	N	N	N	N	N	N
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Office Surface Mining Reclamation and Enforcement	x	x	x	x	x	x	x	x	x	x
Office of Water Research and Technology	x	N	N	N	N	N	N	N	N	N
Office of Saline Water	N	N	N	N	N	N	N	N	N	N
Office of Water Resources Research	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 34-43

Page 3 of 5

Agency	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43
Department of the Interior—continued										
U.S. Fish and Wildlife Service	x	x	x	x	x	x	x	x	x	O
Bureau of Commercial Fisheries	N	N	N	N	N	N	N	N	N	N
Bureau of Sport Fisheries and Wildlife	N	N	N	N	N	N	N	N	N	N
National Biological Survey	N	N	N	N	N	N	N	N	N	x
Department of Justice	T	T	T	T	T	T	T	T	T	T
Federal Prison System	x	x	x	x	x	x	x	x	x	x
Drug Enforcement Administration	x	x	x	x	x	x	x	x	x	x
Federal Bureau of Investigation	x	x	x	x	x	x	x	x	x	x
Immigration and Naturalization Service	x	x	x	x	x	x	x	x	x	x
Office of Justice Programs	x	x	x	x	x	x	x	x	x	x
Office of Legal Policy	O	x	x	x	O	O	O	O	O	O
Department of Labor	T	T	T	T	T	T	T	T	T	T
Bureau of Apprenticeship and Training	N	N	N	N	N	N	N	N	N	N
Bureau of Employment Security	N	N	N	N	N	N	N	N	N	N
Bureau of Labor Statistics	x	x	x	x	x	x	x	x	x	x
Employment Standards Administration	x	x	x	x	x	x	x	O	O	O
Employment and Training Administration	x	x	x	x	x	x	x	x	x	x
Labor-Management Relations and Cooperative Programs	x	x	x	x	x	x	N	N	N	N
Labor-Management Services Administration	N	N	N	N	N	N	N	N	N	N
Occupational Safety and Health Administration	x	x	x	x	x	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Pension and Welfare Benefits Administration	x	x	x	x	x	x	x	x	x	x
Pension Benefit Guarantee Corporation	x	x	x	x	x	x	x	x	x	x
Wage and Hour Division	O	O	O	O	O	O	O	O	O	O
Department of State	x	x	x	x	x	T	T	T	T	T
Agency for International Development	N	N	N	N	N	N	N	N	N	N
Bureau of Intelligence and Research	O	O	O	O	O	x	x	x	x	x
Departmental Funds	O	O	O	O	O	O	O	O	O	O
Peace Corps	N	N	N	N	N	N	N	N	N	N
Department of Transportation	T	T	T	T	T	T	T	T	T	T
Coast Guard	x	x	x	x	x	x	x	x	x	x
Federal Aviation Administration	x	x	x	x	x	x	x	x	x	x
Federal Highway Administration	x	x	x	x	x	x	x	x	x	x
Federal Railroad Administration	x	x	x	x	x	x	x	x	x	x
Maritime Administration	x	x	x	x	x	O	x	x	x	x
National Highway Traffic Safety Administration	x	x	x	x	x	x	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Research and Special Programs Administration	x	x	x	x	x	x	x	x	x	x
Federal Transit Administration	x	x	x	x	x	x	x	x	x	x
Department of the Treasury	T	T	T	T	T	T	T	T	T	T
Bureau of Alcohol, Tobacco, and Firearms	N	N	N	N	N	N	N	N	N	N
Bureau of Engraving and Printing	x	x	x	x	x	x	x	x	x	x
Financial Crimes Enforcement Network	O	O	O	O	O	O	O	x	x	x
U.S. Customs Service	x	x	x	x	x	x	x	x	x	x
Internal Revenue Service	x	x	x	x	x	x	x	x	x	x
United States Mint	x	x	x	x	x	x	x	x	x	x
U.S. Secret Service	x	x	x	x	x	x	x	x	x	x
Office of Thrift Supervision	N	N	N	N	N	N	O	x	x	x

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 34-43

Page 4 of 5

Agency	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43
Department of Energy	x	x	x	x	x	x	x	x	x	x
Department of Education	x	x	x	x	x	x	x	x	x	x
Department of Health and Human Services	T	T	T	T	T	T	T	T	T	T
Alcohol, Drug Abuse, and Mental Health Administration	x	x	x	x	x	x	x	x	O	N
Centers for Disease Control	x	x	x	x	x	x	x	x	x	x
Food and Drug Administration	x	x	x	x	x	x	x	x	x	x
Health Care Financing Administration	x	x	x	x	x	x	x	x	x	x
Health Resources Administration	N	N	N	N	N	N	N	N	N	N
Health Resources and Services Administration	x	x	x	x	x	x	x	x	x	x
Health Services Administration	N	N	N	N	N	N	N	N	N	N
Administration for Children and Families	N	N	N	N	N	N	O	x	x	x
National Institutes of Health	x	x	x	x	x	x	x	x	x	x
Office of the Assistant Secretary for Health	x	x	x	x	x	x	x	x	x	x
Agency for Health Care Policy and Research	N	N	N	N	N	N	x	x	x	x
Office of the Secretary	x	x	x	x	x	x	x	x	x	x
Social Security Administration	x	x	x	x	x	x	x	x	x	x
Administration on Aging	N	N	N	N	N	N	N	x	x	x
Other agencies										
ACTION	O	O	O	O	O	O	O	O	O	O
Advisory Commission on Intergovernmental Relations	x	x	x	x	x	x	x	x	x	x
Appalachian Regional Commission	x	x	x	x	x	x	x	x	x	x
Atomic Energy Commission	N	N	N	N	N	N	N	N	N	N
Civil Aeronautics Board	N	N	N	N	N	N	N	N	N	N
Civil Service Commission	N	N	N	N	N	N	N	N	N	N
Community Services Administration	N	N	N	N	N	N	N	N	N	N
Consumer Product Safety Commission	x	x	x	x	x	x	x	x	x	x
Energy Research and Development Administration	N	N	N	N	N	N	N	N	N	N
Energy Security Trust Fund	N	N	N	N	N	N	N	N	N	N
Environmental Protection Agency	x	x	x	x	x	x	x	x	x	x
Federal Communications Commission	x	x	x	x	x	x	x	x	x	x
Federal Emergency Management Agency	x	x	O	O	O	O	O	O	O	O
Federal Energy Administration	N	N	N	N	N	N	N	N	N	N
Office of Thrift Supervision	X	N	N	N	N	x	x	N	N	N
Federal Trade Commission	x	x	x	x	x	x	x	x	x	x
General Services Administration	x	x	x	x	x	x	x	x	x	x
United States Information Agency	x	x	x	x	x	x	x	x	x	x
Agency for International Development	x	x	x	x	x	x	x	x	x	x
Interstate Commerce Commission	O	O	O	O	O	O	O	O	O	O
Library of Congress	x	x	x	x	x	x	x	x	x	x
National Aeronautics and Space Administration	x	x	x	x	x	x	x	x	x	x
National Archives and Records Administration	N	x	x	x	x	x	x	x	x	x
National Science Foundation	x	x	x	x	x	x	x	x	x	x
Nuclear Regulatory Commission	x	x	x	x	x	x	x	x	x	x
Office of Economic Opportunity	N	N	N	N	N	N	N	N	N	N
Office of Emergency Preparedness	N	N	N	N	N	N	N	N	N	N
Office of Personnel Management	O	O	O	O	O	O	O	O	O	O
Office of Science and Technology	N	N	N	N	N	N	N	N	N	N
Office of Telecommunications Policy	N	N	N	N	N	N	N	N	N	N

See explanatory information and SOURCE at end of table.

Table A-2. Agencies included in the Survey of Federal Funds for Research and Development: Volumes 34-43

Page 5 of 5

Agency	Vol 34	Vol 35	Vol 36	Vol 37	Vol 38	Vol 39	Vol 40	Vol 41	Vol 42	Vol 43
Other agencies—continued										
Postal Service	O	O	O	O	O	O	O	O	O	O
Small Business Administration	O	O	O	O	O	O	O	O	O	O
Smithsonian Institution	x	x	x	x	x	x	x	x	x	x
Special Action Office for Drug Abuse Prevention	N	N	N	N	N	N	N	N	N	N
Tennessee Valley Authority	x	x	x	x	x	x	x	x	x	x
U.S. Arms Control and Disarmament Agency	x	x	x	x	x	x	x	x	x	x
U.S. International Trade Commission	x	x	x	x	x	x	x	x	x	x
Department of Veteran Affairs	x	x	x	x	x	x	x	x	x	x

NOTE: Federal Funds data, as collected, always span 3 Government fiscal years: the fiscal year just completed, the current fiscal year, and the President's budget year. Actual data are collected for the year just completed, and estimates are obtained for the current fiscal year and the budget year. For Volume 43, for example, actual data were collected for FY 1993 and estimates were collected for FY 1994 and FY 1995.

KEY:
N = The agency did not exist as such; therefore no data are available.
O = The agency existed but had no R&D to report.
T = The agency existed but data were not collected at this level.
x = The agency existed and data were collected and submitted by the agency.

SOURCE: National Science Foundation/SRS, Survey of Federal Funds for Research and Development: Fiscal Years 1993, 1994, and 1995

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